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PRODUCT DATA SHEET

Global Epoxy Zinc Phosphate Primer

Product Description

Global Epoxy Zinc Phosphate is an excellent High Build anti-corrosive, 2 component Epoxy, designed for extreme corrosive conditions in both marine and industrial situations. The primer has high levels of Zinc Phosphate anti-corrosive pigmentation which together with the tough impervious epoxy resin binder forms an excellent base for the protection of steelwork against corrosion. Zinc Phosphate is non toxic and insoluble in water, thereby being the choice with most corrosion engineers.

Recommended Uses

Offshore platforms, pipelines, tankage externals and internals, petroleum storage installations, refineries, gold plants, shiploaders. Suitable for prolonged exposure only when topcoated with the correctly chosen topcoat, e.g. Global High Solids Epoxy, Chlorinated Rubbers or 2 component polyurethane finishes.

Surface Preparation

Abrasive blast clean to AS 1627.4, Class 2 or 2.5, or power tool clean to AS 1627.2, Class 1.

Application

Thoroughly mix Part A with Part B in equal parts by volume. Allow 15 minutes digestion time prior to application. Apply by brush, airless spray, or roller as required. Thin, if necessary, with Global Thinners 003 up to 10%. Mixed pot life 8-10 hours @ 25°C. Do not apply below 10°C.

Drying

Dry to touch in 6 hours. Recoat – overnight minimum, indefinite maximum.

Safety Precautions

This paint contains epoxy resins and organic amines in chemically combined form. Use protective clothing when applying. Accidental spillage on the skin should be washed off promptly with fresh water. Do not use without good ventilation.

Colour

Red, White or Grey.

Finish

Low Sheen.

Pigment

Zinc Phosphate, Iron Oxide, Titanium Dioxide dependent on colour.

Vehicle

Epoxy resin and polyamide catalyst.

Solvent

Aromatics.

Package Viscosity

Approximately 80 K.U at 25°C mixed.

Solids by Volume

50%.

Recommended WFT per coat

150-200 micrometres.

Recommended DFT per coat

75-100 micrometres.

Coverage Rate

6.6 square metres/litre @ 75 micrometres DFT (allow appropriate loss factor).

Application

Airless Spray, Conventional Spray, Brush or Roller.

Disclaimer

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PRODUCT DATA SHEET

Global Epoxy Zinc Phosphate Primer (P14)

Product Description

Global Epoxy Zinc Phosphate is an excellent High Build anti-corrosive, 2 component Epoxy, designed for extreme corrosive conditions in both marine and industrial situations. The primer has high levels of Zinc Phosphate anti-corrosive pigmentation which together with the tough impervious epoxy resin binder forms an excellent base for the protection of steelwork against corrosion. Zinc Phosphate is non toxic and insoluble in water, thereby being the choice with most Corrosion Engineers.

Recommended Uses

Offshore platforms, pipelines, tankage externals and internals, petroleum storage installations, refineries, gold plants, shiploaders. Suitable for prolonged exposure only when topcoated with the correctly chosen topcoat, e.g. Global High Solids Epoxy, Chlorinated Rubbers or 2-component polyurethane finishes and Vinyl coatings.

Surface Preparation

Abrasive Blast Clean to AS 1627.4, Class 2 or 2.5, or Power Tool Clean to AS 1627.2, Class 1.

Application

Thoroughly mix Part A with Part B in equal parts by volume. Allow 15 minutes digestion time prior to application. Apply by brush, airless spray, or roller as required. Thin, if necessary, with Global Thinners 003 up to 10%. Mixed pot life 8-10 hours @ 25°C as curing is retarded at temperatures of less than 10°C.

Drying

Dry to touch in 6 hours. Recoat: Overnight minimum, indefinite maximum.

Safety Precautions

This paint contains epoxy resins and organic amines in chemically combined form. Use protective clothing when applying. Accidental spillage on the skin should be washed off promptly with fresh water. Do not use without good ventilation.

Colour

Red, White or Grey.

Finish

Low Sheen.

Pigment

Zinc Phosphate, Iron Oxide, Titanium Dioxide dependent on colour.

Vehicle

Epoxy resin and Polyamide catalyst.

Solvent

Aromatics.

Package Viscosity

Approximately 80 K.U at 25°C mixed.

Volume Solids

46%.

Recommended WFT per coat

150-200 micrometres.

Recommended DFT per coat

75-100 micrometres.

Coverage Rate

6 square metres/litre @ 75 micrometres DFT (allow appropriate loss factor).

Application

Airless Spray, Conventional Spray, Brush or Roller.

Specifications Met

Specification P14.

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PRODUCT DATA SHEET

Global Red Lead Red Oxide Epoxy Primer

Product Description

A 2-pack catalysed epoxy with red lead and red oxide for use as an anti-corrosive primer on steelwork. This is an extra heavy duty primer for immersion and splash zones.

Recommended Uses

For the priming of steel structures and equipment in corrosive environments, wet conditions and surfaces subject to fumes, dust deposits, chemical spillage and marine exposure.

Surface Preparation

Blast cleaning to "Near White", Australian Standard 1627.4 Class 2.5 is recommended. Good power tool cleaning may be used in less severe environments but service life will depend on surface conditions and thoroughness of cleaning.

Application

Thoroughly mix Part A and Part B in equal parts by volume, allow 30 minutes digestion before using. Apply by brush, roller or spray, thin sparingly only as necessary to aid application using Global Thinners 003. Pot life mixed, 8 hours minimum at 25°C. Do not apply below 10°C.

Drying

Dust free:	2-3 hours.
Dry to handle:	8 hours.
Recoat with epoxy enamels:	min 4 hours.

Safety Precautions

This paint contains epoxy resins and organic amines in chemically combined form. When mixing and applying avoid skin contact and wear protective clothing, gloves and goggles. Accidental spillage on skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of fresh air. Check local State or health regulations concerning the use of red lead containing paints before use.

Colour

Red.

Finish

Low sheen.

Pigment

Red Lead, iron oxide and inert pigments.

Vehicle

Polyamide catalysed epoxy resin.

Solvent

Aromatics.

Solids by Volume

50%.

Viscosity

80 Ku @ 25°C mixed.

Recommended DFT per coat

75 micrometres.

Recommended WFT per coat

150 micrometres.

Coverage Rate

9.2 square metres/litre.

Application

Airless Spray: 30:1 ratio unit with .33.48mm orifice spray caps.
Conventional Spray: De Vilbiss JGA 502 gun with E fluid tip and needle and 705 or 765 air cap or equivalent.

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PRODUCT DATA SHEET

Global Epoxy Enamel

Product Description

Global Epoxy Enamel is a 2-pack catalysed epoxy enamel which offers effective, long-lasting protection wherever chemical fumes and corrosive conditions are a severe problem. It may also be pigmented with micaceous iron oxide.

The cured film is very hard and glossy, and resists solvents, grease, oils, alkalis, dilute acids, water, salt solutions and many other chemical and corrosive materials. Adhesion to and the wetting of all surfaces is excellent and the coating forms a long lasting abrasion resistant film. Epoxy Enamel chalks on exterior exposure but this does not affect its performance.

Generally used in two coats over a recommended primer. In severe conditions or to increase film thickness use High Solids High Build Epoxy as an intermediate coat.

Recommended Uses

For the protection of structural steel and equipment in corrosive environments, wet conditions and surfaces subject to fumes, dust deposits and chemical spillage. It is ideally suited to painting handrails, piping, ducting, etc. Not generally recommended for conditions of sustained immersion.

Surface Preparation

Steel: Abrasive blast clean to AS 1627.4, Class 2.5 and apply Global Epoxy Enamel over an epoxy primer, such as Global Epoxy Zinc Phosphate, Global Red Lead Red Oxide Epoxy. In more severe environments, prime with zinc rich primer such as Globalzinc Ethyl Silicate and use intermediate coat of Global High Solids Epoxy.

Galvanising: Degrease to AS 1627.1. Apply Global Epoxy Enamel directly, or over a prime coat of High Solids Epoxy.

Masonry & Concrete: Acid etch, wash and dry. Thin first coat 20% with Global Thinners 003 to aid penetration or apply over Global High Solids Epoxy thinned 20%.

Application

Thoroughly mix Part A until uniform and mix with Part B equal parts by volume. This easy 3:1 mixing ratio removes the guesswork when mixing. Allow to stand 30 minutes before using. Apply by brush, roller or spray without reduction or sparingly reduced with Global Thinners 003.

For conventional spray reduce 15-20% with Global Thinners 003. Pot Life when mixed, about 24 hours at 27°C. Do not apply at temperatures below 13°C.

Drying

Dust free: 1-2 hours.
Recoat: 8 hours minimum, 7 days maximum.

Safety Precautions

The paint contains resin and organic amines in chemical combination. When mixing and applying avoid contact with the skin and wear protective clothing, gloves and goggles. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of fresh air.

Colour

White, Black, AS 4800 range.

Finish

Gloss.

Pigment

Appropriate colour.

Vehicle

Epoxy resin and Polyamide Curing Agent.

Solvent

Aromatics, Ketones and Alcohols.

Solids by Volume

55%.

Viscosity

70-80 Ku at 25°C.

Recommended DFT per coat

50 micrometres.

Recommended WFT per coat

100 micrometres.

Coverage Rate

10.5 square metres/litre (Theoretical).

Dry Heat Resistance

93°C.

Application

Airless Spray:	30:1 ratio unit with .33-.48mm orifice spray caps.
Conventional Spray:	De Vilbiss JGA02 gun E tip and needle 704, 765 air cap or equivalents.

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PRODUCT DATA SHEET

Global Surface Tolerant Epoxy Mastic

Product Description

This is a 2-pack epoxy coating designed for use as a long life maintenance coating over rusty structural steel where thorough blast cleaning of surfaces is prohibited or impractical. It may be applied in one coat with DFT of up to 250 micrometres without sag. As well as providing an effective key to poorly prepared surfaces, contains inhibiting substances which counteract further corrosion. Excellent as one coat primer finish system.

Recommended Uses

As a single coat maintenance finish for hand or power tool cleaned steel where more conventional coatings, such as red lead alkyd based primers, are usually specified but are unable to provide adequate protection or performance.

May be applied over a wide range of soundly adherent existing coatings such as aged alkyds, epoxies, coal tar epoxies, vinyls, chlorinated rubbers and zinc rich coatings which are failing and need to be up-graded.

Typical uses may be structures located in coastal, and industrial environments and in other environments subject to chemical fume, dust and spillage or high humidity and moisture condensation conditions. It is also suitable to be used in conditions of continuous immersion. Where strong acidic or alkaline conditions are encountered. For specific recommendations contact Global Industrial Coatings.

Surface Preparation

All surfaces must be clean, dry and free from oil, grease and dirt. Careful preparation by hand or power tool cleaning to minimum AS 1627.7 or AS 1627.2 Class 1 is necessary. Performance and longevity will be affected by the standard of surface cleaning achieved.

Application

Mix Part A and Part B in simple ratio of 1:1 by volume. To ensure thorough mixing the use of a power stirrer is recommended. At temperatures below 20°C a 15-30 minute induction interval should be allowed before use.

Recommended application is by airless spray using minimum 30:1 unit with 0.53-0.68mm spray tips. Reduction with about 10% 003 reducer may be necessary.

Pot Life

Approximately 4 hours @ 25°C when mixed.

Drying

Touch: 4 hours.

Recoat: 24 hours minimum.

Do not apply below 13°C unless the temperature is rising and will exceed his figure.

Colour

Various to AS 4800 range.

Finish

Semi Gloss.

Pigment

Anti-corrosive pigments

Vehicle

Modified Epoxy-Polyamide Resin.

Solvent

Hydrocarbons.

Solids by Volume

85%.

Recommended DFT

150-250 micrometres.

Recommended WFT

175-295 micrometres.

Coverage Rate

4.9 square metres/litre at 175 micrometres (theoretical).

Dry Heat Resistance

100°C (intermittent) 90°C (continuous).

Safety Precautions

Contains epoxy resin and organic amines in chemical combination. Avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without adequate ventilation.

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PRODUCT DATA SHEET

Global High Solids Epoxy

Product Description

This high volume solids Epoxy is a 2-pack material designed to be applied at film builds of up to 500 micrometres in a single application. This high solids product makes it extremely cost effective to apply and has excellent chemical resistance and weathering characteristics. Coverage on sharp edges and channel sections is excellent with first class hold up properties. Easily recoatable and available in a range of colours. This product is suitable for immersion and atmospheric exposure.

Recommended Uses

Corrosive environments, offshore structures, refineries, gold mines, bridges, and in areas of heavy industrial use. Excellent on concrete footings in splash areas and re-bar corrosion.

Epoxies chalk on exterior exposure, although the film is not affected. Aesthetics may be of concern and topcoats with recoatable urethane or Isocyanate free enamel is recommended.

Surface Preparation

All surfaces to be coated should be dry, free from contaminants, oil, grease, etc.

Steel – Abrasive blast clean to AS 1627.4, Class 2.5 and apply over Global Zinc QD, Epoxy Primers or directly where recommended.

Galvanising – Degrease to AS 1627.1 and apply Global High Solids Epoxy directly to galvanised surfaces. Do not apply to flexible galvanised sheeting or similar.

Concrete – Acid etch, rinse and allow to dry, or lightly blast clean the surface. Thin first coat to 20% with Global Thinners 003. Then apply second coat directly without thinning.

Application

Thoroughly stir Part A with Part B in ratio of 4:1 by volume. Recommended application is by airless spray using a minimum of 30:1 ratio pump and 0.45-0.60mm tips. May also be applied by pressure pot, but thinning will be required and build will be naturally affected. Clean up with Global Thinners 003. Pot life – 4 hours at 25°C decreasing with higher temperatures. Do not apply at temperatures of less than 10°C.

Drying

Surface Dry – 6 hours. Recoat time – 24 hours (minimum), 21 day maximum unless referred to manufacturer.

Safety Precautions

The paint contains epoxy resin and organic amines. When mixing and applying avoid contact with skin. Wear protective clothing. Allow adequate ventilation.

Colour

Most colours available.

Finish

Semi-gloss approximately 65%.

Pigment

Chemical resistant.

Vehicle

Epoxy resin and Polyamide curing agent.

Solvent

Ketones and Hydrocarbons.

Solids by Volume

85%.

Recommended DFT per coat

170-200 micrometres.

Recommended WFT per coat

200-250 micrometres.

Coverage Rate

4.25 square metres/litre @ 200 micrometres DFT (allow appropriate loss factor).

Dry Heat Resistance

To 95°C.

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PRODUCT DATA SHEET

Global High Build Epoxy Mastic

Product Description

This product is a catalysed 2-pack epoxy resin based coating with a higher solids content than traditional high build epoxy coatings which are usually 45-50% solids by volume.

Global High Build Epoxy Mastic has outstanding resistance to chemicals, and exposure to marine conditions. By virtue of the higher molecular weight resin incorporated in this product, moisture resistance is also excellent. This mastic coating may be applied at high film builds in a single coat.

The ingredient raw materials used are those approved on the list of U.S. Food & Drug Administration requirements, in the event of this product being considered for potable water storage.

Recommended Uses

As a high performance, heavy duty coating in severe exposure conditions. e.g. marine, chemical attack (refer MFG for details) solvents etc. Recommended for marine installations applied over a suitable prime coat, jetties, tankage installations, pipelines, food plans, refineries and in immersion situations (refer manufacturer for suitable primer details).

Surface Preparation

All surfaces should be clean and dry and the prime coats should be thoroughly cured.

Steel: Abrasive blast clean to AS 1627.4, Class 2.5 minimum. Recommended primers are Global Zinc QD 2105 (inorganic zinc primer) or Global Epoxy Zinc Phosphate Primer to 75 microns DFT.

Galvanised Iron: Thoroughly degrease and apply directly. (Self priming qualities).

Concrete, Masonry: 2 coats are recommended direct to the substrate. Thin the first coat 10% with Global Thinners 003.

Application

Thoroughly mix Part A until uniform and mix with Part B as prepacked. Mix ratio 4:1 by volume. Recommended application by airless spray 30:1 ratio pump and 0.40-0.50mm tip sizes. Use Global Thinners 003 only for clean up and max up to 5% to aid application. Mixed pot life 4-6 hours at 24°C.

Drying

Dust free: 6-8 hours @ 24°C.

Recoat after overnight curing at 24°C.

Slow curing occurs at less than 10°C in winter conditions.

Maximum recoat time 7 days.

Colour

White and colours to AS 2700 range.

Finish

Semi Gloss.

Pigment

Chemical resistant types.

Vehicle

Catalysed Epoxy Resin.

Solvent

Ketone and Hydrocarbons.

Solids by Volume

70% mixed + 2%.

Recommended WFT

300-350 micrometres.

Recommended DFT

210-260 micrometres.

Coverage Rate

2.8 square metres/litre at 250 microns dry.

Dry Heat Resistance

95°C.

Safety Precautions

This paint contains liquid epoxy resin and organic amines in chemical combination. When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

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PRODUCT DATA SHEET

Global Aquabuild Mastic

Product Description

Global Aquabuild is a water based Mastic. This is a new general Vinyl Chloride/Vinylidene Chloride-Acrylic Copolymer. Available with Micaceous Iron Oxide pigmentation or conventional.

The finish achieved from this non toxic paint is durable and long lasting. It is compatible with both conventional single pack paints as well as 2-pack materials. The adhesion of the product to existing surfaces including Aluminium or Galvanised Iron is excellent. It is recommended to be applied at between 125-200 micrometres/coat. This material is also non-hazardous, non-flammable and therefore environmentally friendly. The product is designed to provide excellent protection against corrosion as a primer finish. Although the cleanliness of steel work to begin with is of utmost importance. Refer manufacturer's recommendations for surface preparation.

Clean up with water.

Recommended Uses

As a finish coat application to structural steelwork, mining equipment, machinery where a hard wearing finish with excellent water resistance is necessary. May be topcoated with 2-pack enamels if required.

This product is fast drying and is ideally suited to interior applications, where solvent fumes are considered as a problem.

Surface Preparation

Steelwork should be suitably treated to AS 1627.4, Class 2.5 and primed with Global Aquaprime. All surfaces must be thoroughly degreased if no blast cleaning of new steel is anticipated. Loose rust must be removed by wire brushing.

Repainting of previous coatings will require thorough degreasing and washing down with detergent and fresh water, prior to topcoating.

Application

Stir thoroughly, apply by airless spray or pressure pot equipment, brush or roller may be used, although film builds will be lower. Clean up with water.

Drying

Handling in 1-2 hours. Recoat in 45 minutes – 1 hour.

When topcoating with 2-pack materials – Allow 8 hours drying as a minimum.
Recoat time: Indefinite.

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PRODUCT DATA SHEET

Global Tar Epoxy Mastic

Product Description

Global Tar Epoxy is a 2-pack catalysed coal tar epoxy coating, cured with a polyamide resin. It is a High Build, High Solids product which possesses outstanding toughness and adhesion to prepared surfaces and has excellent water resistance, good chemical and oil resistance and atmospheric durability. It is usually applied as a 2 coat system. Pre-packaged in separate containers, Part A and Part B, to be mixed just prior to use.

Recommended Uses

For use on surfaces subject to fresh or salt water immersion, tidal and splash zone exposures, chemical exposures, buried exposures, and for interiors of tanks and lines containing crude or refined petroleum oils, fresh or salt water or aqueous salt solutions.

Surface Preparation

All surfaces must be clean, dry and free of oil, grease, dirt, loose rust and flaking paint. Steel surfaces should be blast cleaned to near white metal. Australian Standard 1627.4 Class 2.5 for immersion while Commercial Grade Class 2 is satisfactory for other exposures. Global Tar Epoxy will also perform satisfactorily on hand or power tool cleaned steel under milder conditions. On concrete, masonry or timber, self prime and thin the first coat about 25% to aid penetration.

Application

Thoroughly mix Part A and Part B as pre-packed, mixing ratio is 3:1 by volume and allow 30 minutes 'digestion' period before use. Apply by brush, roller or spray. Spray is essential for maximum film build. For airless spray, thin up to 5%. For pressure pot spray thin up to 10% with Global Thinners 003. See reverse side for equipment details. Mixed pot life 6-8 hours at 21-25°C. Do not apply below 10°C unless the temperature is rising and will exceed 13°C.

Safety Precautions

This product contains epoxy resins and amines in combined form. When handling and mixing, wear protective clothing and avoid skin contact. Accidental spillage on the skin should be promptly removed with soap and water or an industrial skin cleaner. Do not apply in confined spaces without an adequate supply of fresh air.

Drying

Touch: 24 hours.
Recoat: 5-7 hours at 21°C (minimum).
Days at 21°C in very hot weather exposed directly to sunlight (maximum).

Colour

Black.

Finish

High Gloss.

Pigment

Inert Silicates, Iron Oxide.

Vehicle

Polyamide Cured Epoxy Resin and Coal Tar.

Solvent

Aromatic.

Solids by Volume

80%.

Recommended DFT

200-250 micrometres per coat.

Recommended WFT

250-330 micrometres per coat.

Coverage Rate

4 square metres/litre at 200 micrometres DFT.

Dry Heat Resistance

150°C.

Specifications Met

Australian Standard K172, Type 3.

Application

Airless Spray:	30:1 or 40:1 ratio units with 48-68mm orifice tips.
Pressure Pot Spray:	De Vilbiss JGA 502 Gun E tip and needle 704, 765 or 78 air cap or equivalents. Use 13mm fluid hose. Clean equipment promptly with Global Thinners 003.

Disclaimer

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PRODUCT DATA SHEET

Global Acrylic Modified Epoxy Enamel

Product Description

This is a highly durable, chemical resistant 2-pack enamel which is totally isocyanate free. This enamel has the gloss and colour retention properties of 2-pack polyurethanes ensuring the safety and recoatability. The cured film is hard and glossy and retains a wet look appearance over long term exposure. Generally, applied in two coats over a suitable primer of an epoxy type.

Recommended Uses

For the protection of steelwork in corrosive environments including chemical resistant hard wearing qualities required in high U.V. exposure. Facias, External steelwork, Compressed G.R.C. panels, Precast concrete panels, Machinery, Vessels, Salt trailers, Conveyors, Offshore platforms, shipping and small marine craft.

Surface Preparation

Steel: Abrasive blast clean to AS 1627.4, Class 2.5. Apply a prime coat of Global Epoxy Zinc Phosphate Primer followed by Global Acrylic Modified Epoxy Enamel or alternatively apply over a coat of High Solids Epoxy (intermediate coat). This is a finishing Enamel and is suitable only over 2-pack coatings.

Galvanised Iron, Zinalume: Degrease thoroughly, apply a coat of 2-pack etch primer and coat the same day with Global Acrylic Modified Epoxy Enamel.

Masonry & Concrete Surfaces: Apply Global High Solids Epoxy, thinned 10% with Global Thinners 003 followed by two coats of Global Acrylic Modified Epoxy Enamel.

Application

Suitable for application by brush, spray, or roller. Mix thoroughly in proportion as supplied – prepacked to accommodate mixing in a single can (this is a 2 component product).

Drying

Dust free in 1-2 hours. Recoat – minimum 8 hours @ 25°C, maximum indefinite.

Safety Precautions

This paint contains resins and organic amines in chemical combination and number isocyanates. Wear protective mask and clothing when spraying in confined spaces. Accidental spillage on skin is not dangerous and can be removed with industrial skin cleaner.

Colour

Various to AS 2700 range or as selected.

Finish

Full Gloss.

Pigment

Appropriate to colour.

Vehicle

2-pack Acrylic Epoxy.

Solvent

Aromatics, Ketones and Alcohols.

Solids by Volume

40%.

Recommended DFT

50 micrometres per coat.

Coverage Rate

8 square metres/litre.

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PRODUCT DATA SHEET

Global Tank Epoxy High Build

Product Description

This material is formulated with specific U.S. Food & Drug Administration approved ingredients to satisfy its use in potable water storage applications. Tank Epoxy H.B. is a 2-pack Catalysed Epoxy with excellent chemical resistance properties. It is suitable in most petroleum storage situations, Aviation fuel, Petrol, Diesel and Crude oil storage.

Recommended Uses

Suitable for immersion in salt or fresh water and may also be used over an Epoxy primer for atmospheric & marine exposure where necessary. In immersion for potable water applications no primer is recommended.

Surface Preparation

All surfaces must be abrasive blast cleaned to AS 1627.4, Class 2.5. Application over galvanised surfaces is not recommended in immersion situations.

Application

Mix Part A with Part B 4:1 by volume. The containers are short filled to permit this. Airless spray application is normally recommended. Small areas can be brushed or rolled. Particularly weld joints and seams.

Pot life 4 hours @ 25°C.

Drying

Curing only takes place at above 10°C. Therefore steel temperatures should be in excess of this temperature. Suitable air flow and extraction should be allowed for to ensure proper curing of the coating, particularly in closed in tank spaces.

Cyclic ventilation from the top and bottom of tankage is recommended.

Colour

White and grey.

Finish

Flat to low sheen.

Pigment

Inert, chemical resistant types.

Vehicle

Catalyst Epoxy 2-pack.

Solvent

Aromatic Hydrocarbons

Solids by Volume

60%.

Recommended WFT per coat

250 micrometres.

Recommended DFT per coat

150 micrometres.

Coverage Rate (Theoretical)

45 square metres/litre @ 150 micrometres DFT.

Safety Precautions

This paint contains Liquid Epoxy resin and organic Amines in chemical combination. When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

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PRODUCT DATA SHEET

Global Steel-Guard 100

Product Description

Global Steel-Guard 100 is a high performance flake reinforced abrasion resistant epoxy coating which possesses the ultimate in anti-corrosive properties coupled with high wear resistance.

The product is available for marine conditions and mining industry where abrasion is a problem.

Recommended Uses

Used in areas of high wear and corrosion, both in immersion and atmospheric corrosion areas e.g. steel hopper cars, ore wagons, dump trucks, conveyors, steel storages, ship bottoms, propellers, etc.

A total film thickness of 400 micrometres is recommended in 2 coats of 200 micrometres each.

Application

Apply directly to steel after blast cleaning to AS 1627.4, Class 2.5.

Apply by airless spray using .50mm size tip. Thin if necessary with Global Thinners 003.

Pot life 2 hours @ 27°C. Mix ratio 4 parts A to 1 part B.

Drying

Touch Dry:	4-6 hours.
Hand Dry:	16-18 hours @ 27°C.
Recoat:	Overnight and in 3 days maximum.

Safety Precautions

When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

Red and Black.

Finish

Gloss.

Pigments

Abrasion resistant and flake reinforced.

Vehicle

Catalysed Epoxy Resin.

Mixing Ratio

4 parts to 1 part, A:B by volume.

Solids by Volume

70%.

Recommended DFT per coat

150 micrometres.

Coverage Rate at 200 micrometres (Theoretical)

3.5 square metres/litre.

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PRODUCT DATA SHEET

Global Surfshield H.B. Solventless Epoxy

Product Description

Surfshield H.B. is a solventless epoxy coating designed for heavy duty applications. It is capable of being applied at up to 3mm in a single sprayed coat. Because of the solventless nature of the coating it does not shrink on curing thereby providing excellent edge protection and abrasion resistance.

Recommended Uses

This product is designed for marine applications as a coating for tankage, pipelines, jetty splash zone applications, jackets and piles.

Surface Preparation

Steel surfaces must be abrasive blast cleaned to AS 1627.4, Class 2.5 minimum. A blast profile of approximately 50 microns minimum is required when applying directly to the steel substrate. When applying over a holding primer this profile is not a requirement. Global Epoxy Zinc Phosphate is recommended for specific applications as a holding primer.

Application

Suitable for airless spray application.
45:1 airless pump.
Tip size 0.50 – 0.80mm on orifice.
Brush small touch up areas only.
Mix parts A & B according to directions.
Pot life is 2-4 hours @ 25°C.

Thin to 5% if needed. Clean up with Global Thinners 003.

Coverage Rate

9.5 square metres/litre @ 1000 microns DFT.

Drying Time

Overnight.

Recoat

Within 7 days, maximum.

Colour

Grey, black, white and tints.

Finish

Low Gloss.

Pigment

To suit colour.

Vehicle

Catalysed Epoxy Polyamide.

Solvent

Nil.

Solids by Volume

100%.

Recommended WFT per coat

1000 micrometres.

Recommended DFT per coat

1000 micrometres.

Safety Precautions

This paint contains liquid epoxy resin and organic amines in chemical combination. When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

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PRODUCT DATA SHEET

Global High Build Chlorinated Rubber Primer

Product Description

Global Chlorinated Rubber Primers are available based on various anti-corrosive pigments such as Zinc Chromate, Zinc Phosphate and Red Lead.

All of the above are excellent primers designed for use on structural steelwork, used in conjunction with chlorinated rubber topcoats.

Recommended Uses

As anti-corrosive primers on steel, chlorinated rubber primers are excellent in marine applications on shipping, topsides and above the water line applications.

Application

Apply by airless spray, using a minimum 30:1 ratio pump and tip sizes of .38 - .50mm. Clean up with Global Thinners 002.

Drying

Touch dry: 1 hour.
Recoat: 6-8 hours.

Safety Precautions

When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

Red or grey.

Finish

Low sheen to flat.

Pigments

Red Lead, Zinc Phosphate or Zinc Chromate.

Solvent

Aromatic Hydrocarbons.

Vehicle

Chlorinated Rubber Resin.

Solids by Volume

40%.

Recommended DFT per coat

75 micrometres.

Recommended WFT per coat

185 micrometres.

Coverage Rate (Theoretical)

8 square metres/litre.

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PRODUCT DATA SHEET

Global Hi-Build Chlorinated Rubber Finish

Product Description

Global Hi-Build Chlorinated Rubber incorporates chemically resistant pigment and chemically inert plasticised rubber vehicles. May be applied in film thickness up to 500 micrometres without sagging. The finish is flat with a slight side sheen and may be overcoated with Chlorinated Rubber Enamel where extreme resistance is required.

Recommended Uses

Economical to apply, protective coating with excellent resistance to moist atmospheres, fumes, spills of acids, alkalis and many corrosive chemicals used in the processing industries. Excellent in marine exposure conditions.

Use in chemical plants, food processing plants, paper mills, bottling plants, breweries, canneries and sewerage disposal plants, etc.

Use on metal, concrete, masonry, fibro or wood. Not recommended for contact with animal or vegetable fats and oils.

Not recommended for sustained immersion.

Surface Preparation

All surfaces should be dry, clean and free from oil, grease and dirt.

Steel – Blast clean to minimum AS 1627.4, Class 2. Prime with Global Epoxy Zinc Phosphate Primer, Epoxy Zinc or Global Phenolic Red Primer.

Masonry, Fibro – Self prime, Acid etch masonry or mechanically abrade before coating.

Previously Painted Surfaces – Clean to bare metal and spot prime with Global Phenolic Red Primer.

Galvanised Iron – Solvent wipe and prime with Galvanised Iron Primer.

Application

Airless spray: Minimum 30:1 ratio unit and .38-.53mm orifice.

Conventional spray: Use De Vilbiss JGA 502 gun E tip and needle 704, 765 or 78 air cap or equivalents.

Use Series Global Thinners 002 sparingly as required.

Do not apply in confined spaces without an adequate supply of fresh air.

Brush or roll small areas only.

Drying

Touch dry: 30 minutes.

Recoat: Overnight.

Colour

White, Black and colours to AS 4800.

Finish

Low sheen.

Pigment

Chemically resistant pigments.

Vehicle

Chlorinated Rubber and inert plasticisers.

Solvent

Aromatic Hydrocarbons

Solids by Volume

42% average depending upon colour (theoretical).

Viscosity

75-85 Ku @ 25°C.

Recommended DFT

125-200 micrometres.

Dry Heat Resistance

65°C.

Coverage Rate

3.36 square metres/litre at 125 micrometres.

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PRODUCT DATA SHEET

Global MCR High Build

Product Description

Global MCR is an ultra high build unmodified chlorinated rubber coating pigmented with micaceous iron oxide, which gives excellent durability over other chlorinated rubber coatings and increased impermeability to water vapour. Ideal for exterior exposure in harsh environments without subsequent topcoats, where the MIO resists chalking, retaining its original appearance for many years. May be applied at DFT up to 250 micrometres without sagging, for maximum protection.

Recommended Uses

As a high performance anti-corrosion coating for steelwork in severe industrial and coastal marine environments, such as wharf superstructures, pontoons, conveyors, bridges, iron ore plants, cranes and chemical plants. Particularly suited for use in moist, cool environments, such as underground mines and sewerage treatment plants, where its tolerance of low temperatures and higher humidities while drying make it more adaptable than other coatings. Not suitable for sustained immersion, nor for contact with animal fats, vegetable oils, or organic solvents. Aluminium pigmented versions not suitable for acid or alkali exposure.

Surface Preparation

Apply over a suitable primer, which must be clean, dry, and free from oil, grease and dirt. Steel: Abrasive blast clean to AS 1627.4, Class 2 or Class 2.5 as appropriate for primer used. For hand or power tool cleaned surfaces prime with Global Phenolic Primer. Zinc rich primers – Globalzinc Ethyl Silicate. Epoxy Primers – Global Red Lead Red Oxide Epoxy Primer. Global Epoxy Zinc Phosphate.

Galvanising: Prime with 2-pack Etch and apply Global CR the same day.

Concrete: Acid etch, rinse, and dry, or lightly abrasive blast. Prime with Global MCR.

Previously Painted Surfaces: Remove loose and flaking paint, corrosion and contaminants by power tool cleaning or spot abrasive blasting. Spot prime with appropriate primer and apply full coat of Global MCR.

Application

Stir thoroughly before use. Recommended application is by airless spray, to achieve high film builds. Use minimum 30:1 unit with 0.46-0.66mm tips. For pressure pot spray, thin 10% with Thinner Series 002. Brush or roller application may also be used, but film build will be low. Clean up with Global Thinners 002. Do not apply in confined spaces without an adequate supply of fresh air.

Drying

Touch: 30 minutes.
Recoat: Overnight minimum.

Colour

Metallic Grey, Natural MIO, Charcoal, limited range of MIO based colours.

Finish

Flat.

Pigment

Micaceous Iron Oxide, with Aluminium in Metallic Grey.

Vehicle

Chlorinated Rubber.

Solvent

Aromatic Hydrocarbons.

Solids by Volume

42%.

Recommended DFT

210-252 micrometres.

Recommended WFT

500-600 micrometres.

Coverage Rate

2 square metres/litre at 200 micrometres (theoretical).

Dry Heat Resistance

50-60°C.

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PRODUCT DATA SHEET

Global Chlorinated Rubber Enamel

Product Description

Global Chlorinated Rubber Enamel possesses excellent resistance to most acids, alkalis and moisture, excellent as a general purpose coating in many installations where corrosive conditions are too severe for conventional decorative coatings.

Recommended Uses

As a finishing paint for structures and equipment exposed to acid or alkali splash, corrosive fumes and to moist and wet conditions, breweries, sewerage disposal plants, food processing plants and other areas with chemical environments, excellent in shipping and marine exposure conditions, single pack and easy to apply.

Not recommended for contact with animal or vegetable fats and oils.

Surface Preparation

Blast cleaned steel: Global High Build Chlorinated Rubber.

Masonry, Wood: Self prime. Reduce first coat 10% with Global Thinners 002.

May also be applied over existing painted surfaces, but first test for lifting and wrinkling.

Application

Stir thoroughly until uniform. Apply by brush, roller or airless spray without reduction. For pressure pot spray reduce 15-20% with Global Thinners 002. See reverse side for equipment recommendation. Do not apply in confined spaces without an adequate supply of fresh air.

Drying

Dust free: 30 minutes.

Dry to handle: 3 hours

Can be recoated with Global Chlorinated Rubber Enamel after 8 hours by brush or roller, 2 hours by spray.

Colour

White, Black and colours to AS 4800.

Finish

Semi Gloss.

Pigment

Chemically resistant to suit colour.

Vehicle

Chlorinated Rubber Resin.

Solvent

Aromatic.

Solids by Volume

40% average depending upon colour.

Viscosity

75-85 Ku @ 25°C.

Recommended DFT

40 micrometres.

Recommended WFT

100 micrometres.

Dry Heat Resistance

65°C.

Coverage Rate

10 square metres/litre (theoretical).

Application

Airless Spray: - 30:1 ratio units with .33-.48mm orifice tips.

Conventional Spray: - De Vilbiss JGA 502 gun E tip & needle 704, 765 or 78 air cap or equivalents.

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PRODUCT DATA SHEET

Global MCR Chlorinated Rubber Enamel

Product Description

Global MCR Chlorinated Rubber Enamel possesses excellent resistance to most acids, alkalis and moisture, excellent as a general purpose coating in many installations where corrosive conditions are too severe for conventional decorative coatings. The material is pigmented with micaceous iron oxide for additional weathering properties.

Recommended Uses

As an anti-corrosive finishing paint for structures and equipment exposed to corrosive splash, corrosive fumes and to moist and wet conditions, breweries, sewerage disposal plants, food processing plants and other areas with chemical environments, excellent in shipping and marine exposure conditions, single pack and easy to apply.

Not recommended for contact with animal or vegetable fats and oils.

Surface Preparation

Blast cleaned steel: Applied over inorganic zinc, epoxy zinc primers or chlorinated rubber zinc phosphate primers.

Application

Stir thoroughly until uniform, apply by brush, roller or airless spray without reduction. For pressure pot spray reduce 10% with Global Thinners 002. See reverse side for equipment recommendation. Do not apply in confined spaces without an adequate supply of fresh air.

Airless Spray: - 30:1 ratio units with .33-.48mm orifice tips.

Conventional Spray: - De Vilbiss JGA 502 gun E tip & needle 704, 765 or 78 air cap or equivalents.

Drying

Dust free: 30 minutes.
Dry to handle: 3 hours.

Can be recoated with Global MCR Chlorinated Rubber Enamel after 8 hours by brush or roller, 2 hours by spray.

Colour

Metallic Grey, Charcoal, St. Enoch Grey, Med-Sea-Grey.

Finish

Semi Gloss.

Pigment

Chemically resistant to suit colour.

Vehicle

Chlorinated Rubber Resin.

Solvent

Aromatic.

Solids by Volume

40% average depending upon colour.

Viscosity

75-85 Ku @ 25°C.

Recommended DFT

40 micrometres.

Recommended WFT

100 micrometres.

Dry Heat Resistance

65°C.

Coverage Rate

10 square metres/litre (theoretical).

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PRODUCT DATA SHEET

Global Vinyl Primer

Product Description

Global Vinyl Primer is a solution vinyl resin based coating used as an anti-corrosive prime coat on prepared surfaces to be topcoated with vinyl systems including antifouling systems.

Recommended Uses

As a prime or intermediate coat on prepared surfaces to be coated with vinyl topcoats and antifouling systems. This primer is excellent in marine conditions, and steelwork exposed to immersion, chemical or atmospheric exposure.

Surface Preparation

All surfaces must be clean and dry, free from oil, grease and similar contaminants. Apply directly to steel, galvanised iron, masonry, wood or fibrous cement surfaces.

Application

Stir thoroughly and apply by airless spray preferably. For conventional spray reduce with special Global Thinners 004 to 10%.

Drying

Touch dry: 30-45 minutes.
Recoat: after 6 hours drying.

Safety Precautions

When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

Grey and Red Oxide.

Finish

Low sheen.

Pigment

Anti-corrosive pigments, titanium dioxide and inert extenders.

Solvent

Ketones and Aromatic Hydrocarbons.

Solids by Volume

25%.

Recommended WFT per coat

300 micrometres.

Recommended DFT per coat

75 micrometres.

Coverage Rate (Theoretical)

3.3 square metres/litre.

Disclaimer

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PRODUCT DATA SHEET

Global High Build Vinyl

Product Description

This is a high build marine and protective coating designed for corrosive and chemical environments. High film build are achievable in a single coat.

Recommended Uses

An excellent intermediate build coat used in marine or industrial applications, usually on steelwork. Topsides and ships hulls, structural steelwork, exposed to seawater or fresh water and where high chemical resistance is required.

Application

Apply by airless spray using a 30:1 ratio pump (minimum) with a 0.38-0.50 mm tip size. Clean up with Global Thinners 004.

Drying

Dust free: 1 hour.
Recoat: After 6 hours drying.

Safety Precautions

When mixing and applying avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

White and a varied range.

Finish

Low semi gloss.

Pigment

Chemically resistant pigments.

Solids by Volume

35%.

Recommended DFT per coat

150 micrometres.

Coverage Rate

2.3 square metres/litre.

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PRODUCT DATA SHEET

Global Vinyl Enamel

Product Description

Global Vinyl Enamel is a solution vinyl resin based gloss enamel, designed to perform in severe marine conditions including chemically corrosive environments. The coating is tough and abrasive resistant.

Recommended Uses

In shipping on topside structures, marine installations, pipelines, tankage and shiploaders. Excellent as an underwater coating in both salt and fresh water.

Surface Preparation

Steel surfaces must be adequately prepared by abrasive blast cleaning to AS 1627.4, Class 2.5. Primers that are suitable are Global Vinyl Primer, Global Zinc 2105 and Global Zinc EP.

Concrete surfaces must be etched with a solution of hydrochloric acid and water (1:4 by volume) and coated with Global High Build Vinyl prior to finishing with Global Vinyl Enamel where a gloss is required.

Application

Stir thoroughly until uniform. Brush and roller application is not recommended because of the fast drying characteristics of this product. Airless spray or conventional equipment is recommended. Use Global Thinners 004 sparingly if needed.

Safety Precautions

When mixing and applying avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

Various to AS 2700.

Finish

Gloss.

Pigment

Titanium Dioxide and inert extenders.

Solvent

Ketones and Aromatics.

Solids by Volume

20%.

Recommended WFT per coat

250 micrometres.

Recommended DFT per coat

50 micrometres.

Coverage Rate

4 square metres/litre.

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PRODUCT DATA SHEET

Global Aquatar (Tar FREE)

Product Description

Global Aquatar is a water-borne, new generation Vinyl Chloride/Vinylidene Chloride Acrylic Copolymer.

The excellent corrosion resistant qualities of this mastic are unique. The film is extremely hard wearing and offers excellent moisture resistance.

Global Aquatar is unique in that it may be topcoated without intercoat adhesion problems. It is a high build product that can be applied up to 250 microns DFT in a single coat. This material is non-hazardous, non toxic, non-flammable and environmentally friendly. It is a single pack, water based easy to apply, new generation coating. Global Aquatar is replacement to conventional tar epoxies, that had all the concerns of health risk and skin irritation, solvent fumes and 2 component mixes.

Recommended Uses

For steel structures, tankage and buried pipelines, that may be required to be topcoated. It is also recommended in corrosive atmospheric conditions. Typically, its use should be specified as follows:

Abrasive blast clean to AS 1627.4, Class 2.5. Aquaprime to 100 microns DFT. Global Aquatar to 175 microns DFT.

This product is also excellent on both galvanised iron and new aluminium.

Surface Preparation

Steelwork should be abrasive blast cleaned to AS 1627.4, Class 2.5.

Galvanised Iron and Aluminium should be degreased to AS 1627.1.

Application

Stir thoroughly. Apply by airless spray or brush on smaller areas. Clean up with water.

Drying

Touch dry: 4-6 hours.
Recoat time: Overnight.

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PRODUCT DATA SHEET

Global Aquaprime

Product Description

Global Aquaprime is a water-borne, new generation Vinyl Chloride/Vinylidene Chloride Acrylic Copolymer.

The rust inhibitive qualities of this primer are unique, being heavily pigmented with Zinc Phosphate.

Global Aquaprime is unique in that it may be topcoated with both conventional coatings and 2-component epoxy coatings and polyurethane finishes. It is a high build primer that can be applied up to 125 microns DFT in a single coat. This material is non-hazardous, non toxic, non-flammable and environmentally friendly.

Clean up with water.

Recommended Uses

For priming steelwork that may require to be topcoated with 2-component paint systems. It is also recommended in corrosive atmospheric conditions. Typically, its use should be specified as follows:

Abrasive blast clean to AS 1627.4, Class 2.5. Aquaprime to 100 microns DFT.
Global High Solids Epoxy to 175 microns DFT.

This product is also an excellent primer for both galvanised iron and new aluminium.

Surface Preparation

Steelwork should be abrasive blast cleaned to AS 1627.4, Class 2.5.

Galvanised Iron and Aluminium should be degreased to AS 1627.1.

Application

Stir thoroughly. Apply by airless spray or brush on smaller areas. Clean up with water.

Drying

Touch dry: 4-6 hours.
Recoat time: Overnight.

Colour

White, Buff and Red Oxide.

Finish

Flat.

Pigment

Zinc Phosphate, Titanium Dioxide and extenders.

Vehicle

Vinyl Chloride – Acrylic Copolymer.

Solids by Volume

43%.

Recommended DFT per coat

75 micrometres.

Coverage Rate

5.73 square metres/litre.

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PRODUCT DATA SHEET

Global Aquagloss Enamel

Product Description

Global Aquagloss is a water based Enamel. This is a new generation Vinyl Chloride/Vinylidene Chloride Acrylic Copolymer.

The finish achieved from this non toxic paint is durable and long lasting and with a 70% gloss level. Global Aquagloss is compatible with both conventional single pack paints as well as 2-pack materials. The adhesion of this Enamel to existing surfaces including Aluminium or Galvanised Iron is excellent. It is recommended to be applied at between 40-60 micrometres/coat. This material is non-hazardous, non toxic, non-flammable and environmentally friendly.

Clean up with water.

Recommended Uses

For finish coat application to structural steelwork, mining equipment, machinery where a hard wearing finish with gloss and colour retention is necessary.

This product is fast drying and is ideally suited to interior applications.

Surface Preparation

Steelwork should be suitable treated to AS 1627.4, Class 2.5 and primed with Global Aquaprime.

Repainting of previous coatings will require thorough degreasing and washing down with detergent and fresh water, prior to topcoating.

Application

Stir thoroughly, apply by airless spray or pressure pot equipment, brush on smaller areas. Clean up with water.

Drying

Handling: 1-2 hours.
Recoat: 45 minutes – 1 hour.

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PRODUCT DATA SHEET

Global Polyurethane Enamel

Product Description

This is a non-yellowing, 2-pack isocyanate cured polyurethane coating. This coating is chemically cured to produce a highly cross linked tile-like finish that possesses weathering properties for superior to normal polyurethane finishes, having exceptional colour retention, gloss retention and chalk resistance.

It provides a finish of high abrasion resistance to an extremely tough and durable paint system. It is ideally suited to areas where hygiene is of importance and white where retention of whiteness is desired.

Recommended Uses

As a finishing paint, interior or exterior, for maximum durability, colour and gloss retention, extreme hardness with flexibility and solvent resistance on buildings, tanks, rail wagons, offshore platforms; in hospitals or food processing plants, dairies, abattoirs, etc. where cleanliness, abrasion resistance and aesthetics is of most importance. Not suited for contact with strong acids or alkalis.

Surface Preparation

Should only be applied as topcoat over a primer or undercoat of a 2-pack catalysed epoxy or inorganic zinc coatings.

Steel: Blast clean to near white metal Class 2.5.

Aluminium or Galvanised Iron: 2-pack etch then High Build Epoxy 50 micrometres.

Concrete, Masonry: 2 coats High Build Epoxy, thin first coat to aid penetration and adhesion.

Application

Thoroughly mix Part A until uniform and mix with Part B as prepacked, mixing ratio is 3:1 by volume. Apply by spray, reduce up to 15% for pressure pot spray, without reduction or up to 5% for airless spray with Global Thinners 008. Spray is essential to obtain adequate build and two coats should be applied to ensure satisfactory film thickness, minimum 40 micrometres each coat.

Mixed pot life 6-8 hours at 21°C. Clean equipment promptly with Global Thinners 008.

Drying

Dust free: 3 hours.
Recoat: After overnight drying.
Maximum recoat interval: 2 days.

Colour

White and limited colour range to AS 4800.

Finish

Full Gloss.

Pigment

Lightfast appropriate for colours.

Vehicle

Non-yellowing isocyanate cured polyurethane.

Solvent

Blend of aromatics, esters and Ketones.

Solids by Volume

50% average depending upon colour.

Viscosity

60 Ku @ 25°C.

Recommended DFT

40 micrometres.

Coverage Rate

12.8 square metres/litre.

Application

Airless spray: - 30:1 ratio units with .38-.48mm orifice spray tips.

Pressure Pot Spray: - De Vilbiss JGA 502 gun E tip & needle 704, 765 or 78 air cap or equivalents.

Note

1. The Enamel is without toxicity and requires only the usual precautions that should be observed with solvent containing paints.
2. Part B is extremely sensitive to moisture. Keep tightly sealed and under cover when not in use. Do not apply if humidity is greater than 85%.

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PRODUCT DATA SHEET

Global Recoatable Urethane Enamel

Product Description

Global 2-pack polyurethane is a heavy duty, recoatable gloss enamel finish, with the ultimate in colour and gloss retention. Conventionally 2 component polyurethanes are difficult to recoat. However, this product provides ease of recoating without extensive surface preparation in maintenance.

Recommended Uses

As a brilliant topcoat for both interior and exterior exposure. Recommended in heavy wear areas, marine exposure, chemical plants and more importantly where colour retention is important e.g. colour coding, transmission towers, vessels, tankage, pipelines and machinery.

Surface Preparation

On Steelwork: Abrasive blast clean to AS 1627.4, Class 2.5 and suitably primed with 2-pack epoxy primers such as Global Zinc EP or Global Epoxy Zinc Phosphate Primer. Intermediate coats of Global High Solids High Build Epoxy are also used where extreme corrosive environments require an even higher total film build.

A coat of Global Recoatable Urethane is recommended at approximately 50 micrometres DFT.

On Aluminium & Galvanised Iron: Suitably degrease with Global Degreasing Solution followed by a fresh water rinse. Etch with Global 2-pack etch primer. Intermediate coat with Global High Build Epoxy and finish with Recoatable Urethane.

On Concrete or Masonry: Ensure the surface is dry. If the surface is steel travelled it could need acid etching to provide a key for painting. Prime with Global High Solids, High Build Epoxy, following by Global Recoatable Urethane. Allow appropriate overnight drying between coats.

Application

Mix Part A with Part B in the ratios provided which are 3:1 by volume. Apply by conventional or airless spray with enamel finish settings e.g. 0.45mm tip sizes. Thin to 10% with Global Thinners 008, pot life after mixing is approximately 4 hours.

Drying

Touch dry: 45 minutes.
Recoat ability: 24 hours minimum to indefinite.

Colour

White and a varied range.

Finish

High Gloss.

Vehicle

Urethane Resin with Acrylic Modifications.

Pigment

Light fast.

Solvent

Esters and Ketones.

Solids by Volume

40%.

Recommended DFT

50 micrometres.

Coverage Rate (Theoretical)

8 square metres/litre.

Heat Resistance

130°C.

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PRODUCT DATA SHEET

Global High Solids, High Build Recoatable Urethane Gloss

Product Description

Global 2-pack Recoatable Urethane High Solids, is a new generation coating for use in situations where all the requisites of coverage, corrosion resistance, gloss and colour retention are required of a single coating at builds of up to 200 micrometres.

This product is recoatable and therefore eliminates the need for extensive surface preparation.

Recommended Uses

As a brilliant topcoat for both interior and exterior exposure. Recommended in heavy wear areas, marine exposure, chemical plants and more importantly where colour retention is important e.g. colour coding, transmission towers, vessels, tankage, pipelines and machinery.

Surface Preparation

Steelwork: Must be abrasive blast cleaned to AS 1627.4, Class 2.5 and primed suitably with an anti-corrosive 2-pack global primer such as Global Zinc EP or Global Epoxy Zinc Phosphate Primer to 50 micrometres DFT.

Galvanised Iron or Aluminium: Must be adequately degreased and etch primed with Global 2 pack etch.

Masonry Surfaces: Must be suitably abraded or etched to provide a key. All surfaces must be dry prior to painting.

Application

Mix the two parts provided in the ratios as packaged. The pot life is maximum 4 hours at 27°C.

Thin if necessary with Global Thinners 008 up to 10%.

Drying

Touch dry: 4 hours.
Hard dry: 16 hours.

Colour

White and a varied range.

Finish

High Gloss.

Vehicle

Aliphatic Urethane.

Pigment

Light fast.

Solvent

Esters and Ketones.

Solids by Volume

70%.

Recommended DFT

125 micrometres.

Recommended WFT

175 micrometres.

Coverage Rate (Theoretical)

5.6 square metres/litre.

Dry Heat Resistance

120°C.

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PRODUCT DATA SHEET

Globalshield 2000 P.F.

Product Description

Globalshield 2000 P.F. is a 2-pack recoatable primer finish urethane. This is a high solids, high build anti-corrosive primer finish. It is recommended where epoxy surface tolerant coatings chalk and do not provide the colour retention necessary.

This is the most recent in technological development, where a 2 component recoatable aliphatic 'urethane resin is' blended with high solids, high build primer characteristics to provide a multiple function in one application.

Recommended Uses

Where a semigloss, light fast primer finish is required. Film builds of up to 250 micrometres can be achieved in a single wet on wet coat and therefore it is suitable on ship loaders, tankage, gold plants, refineries, pipelines, shipping and mining machinery.

Surface Preparation

Steelwork must be abrasive blast cleaned to AS 1627.4, Class 2. No primer is necessary and Global Surface Tolerant Urethane is applied directly to the steel surface at approximately 200 micrometres wet.

Note: Ensure that the spray application technique caters for stripe coating edges and angles where physical rinses are quite possible in 1 coat system.

Application

Mix the two components provided in the ratios supplied and packaged. Pot life is 4 hours at 27°C.

Thin if necessary with Global Thinners 008.

Drying

Touch dry: 4 hours.
Hard dry: 16 hours.

Colour

Varied range to AS 2700.

Finish

Satin approximately 20%.

Vehicle

Aliphatic Urethane

Pigment

Light fast and anti-corrosive pigmentation.

Solvent

Esters and Ketones.

Solids by Volume

75%.

Recommended DFT

150 micrometres.

Recommended WFT

200 micrometres.

Coverage Rate (Theoretical)

5 square metres/litre.

Dry Heat Resistance

120°C.

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PRODUCT DATA SHEET

Global Zinc E.P.

Product Description

Global Epoxy Zinc (E.P.) is a 2-pack Catalysed Epoxy Zinc Rich Primer, with excellent hardness and corrosion resistance.

This product may be applied by brush, spray or roller. Global Zinc E.P. may be used as a field touch up primer for welds, inorganic zinc primers, as well as a first rate shop primer, providing a smooth finish.

Recommended Uses

For the protection of structural steelwork in severe marine and industrial exposure i.e. jetties, wharves, shiploaders etc.

May be topcoated with epoxy mastics, polyurethanes and chlorinated rubber finishes. If applied at no more than 25 micrometres DFT it is suitable as an efficient pre-weld primer.

Surface Preparation

Blast clean to AS 1627.4, Class 2 minimum.

Application

Mix Part A and B in ratio of 4:1 as supplied. Apply by spray, brush or roller. Thin and clean up with Global Thinners 003.

Pot life when mixed approximately 8 hours at 25°C.

Drying

Dust Free:	15 minutes.
Touch Dry:	2-3 hours.
Recoat:	After overnight drying.

Safety Precautions

This paint contains Liquid Epoxy Resin and organic Amines in chemical combination. When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

Medium Grey.

Finish

Flat.

Pigment

Zinc Dust.

Solvent

Esters, Alcohols.

Solids by Volume

55%.

Recommended WFT per coat

135 micrometres.

Recommended DFT per coat

75 micrometres.

Coverage Rate

7.3 square metres/litre.

Heat Resistance

200°C.

Specifications Met

AS 2204 – type 2.

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PRODUCT DATA SHEET

Globalzinc PS (Cold Galv.)

Product Description

Globalzinc PS is a high zinc content polystyrene based single-pack coating supplied in a ready-for-use form. The high zinc content prevents rusting at scratches and areas of minor damage. It provides a galvanised surface for corrosion protection.

Recommended Uses

Shop or field coating or structural steel girders, plates, tanks and pipelines subject to industrial or sea coast conditions, for interior or exterior exposure. For continuous exposure to temperatures up to 200°C.

Surface Preparation

For best results, all rust and scale must be completely removed, preferably by blast cleaning or pickling. However, satisfactory results will be obtained with this coating over wire brushed steel carrying very light rust provided that the surface is free of all scale.

Application

Stir thoroughly until uniform. Apply by brush without thinning. Reduce 10-20% by volume with Global Thinners 002 for spray. A recommended set-up is a De Vilbiss JGA 502 gun E tip and needle 704,765 or 78 air cap or equivalents.

Caution

To use alkyds or other conventional finishes as topcoats, to ensure adequate adhesion, first apply a barrier coat of Chlorinated Rubber Coating.

Drying

Dust-free: 20 minutes.
Dry to handle: 1 hour.
Can be recoated with itself in 4-6 hours.

Colour

Metallic Grey.

Finish

Flat.

Pigment

Zinc Dust.

Vehicle

Polystyrene Resin.

Solvent

Aromatic.

Package Viscosity

80 Ku @ 25°C.

Solids by Volume

30%.

Heat Resistance

200°C.

Recommended DFT

30 micrometres.

Recommended WFT

90 micrometres.

Coverage Rate

10.5 square metres/litre.

Dry Heat Resistance

150°C.

Specifications Met

Australian Standard K172, Type 3.

Disclaimer

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PRODUCT DATA SHEET

Globalzinc Ethyl Silicate 2105

Product Description

Globalzinc Ethyl Silicate 2105 is a quality self curing ethyl silicate based inorganic zinc rich primer. It possesses excellent smooth application characteristics under humid, damp or cold conditions. It may be applied at humidities of up to 95% relative humidity, mud cracking and dry spray characteristics encountered with inorganic zinc coatings are negligible with Globalzinc Ethyl Silicate 2105.

Recommended Uses

Hard abrasion resistant long life single coat galvanised finish. Used in mild to severe marine environments or heavy industrial conditions. May accept up to 400°C dry heat.

For severe chemical exposure – topcoat with Global Epoxies or chlorinated rubber finishes as recommended. Topcoats should not be applied until Globalzinc Ethyl Silicate 2105 is thoroughly cured. (Refer manufacturer's cure chart). As a single coat on the mating faces of steel sections joined with high strength bolts as in friction grip joints to AS CA45, slip coeff of 0.50.

Application

Add Part B (zinc dust) to liquid Part A. Mix thoroughly and strain into a container through 30-50 mesh sieve. Mixing ratio is 16.2 litre A to 27kg B for a 20-litre pack. Apply by agitated pressure pot or airless spray. Brush application unsuitable. Pot life when mixed, eight hours approximately. Clean equipment with special Global Thinners 007. Surfaces may be handled after 2-4 hours. Topcoat in 16-18 hours minimum.

Safety Precautions

Globalzinc Ethyl Silicate 2105 has a low flash point of 10°C. Avoid contact with the skin. If contact does occur rinse thoroughly with fresh water. Allow adequate ventilation.

Colour

Light Grey.

Finish

Flat.

Pigment

Zinc Dust.

Vehicle

Inorganic Ethyl Silicate (self curing).

Solvent

Alcohols, Glycol, Ether.

Solids by Volume

52%.

Recommended DFT per coat

65-90 micrometres.

Coverage Rate

6.9 square metres/litre @ 75 micrometres DFT (allow appropriate loss factors).

Dry Heat Resistance

400°C.

Zinc in dry film

Approximately 78%.

Specifications Met

AS 2105 type 4.

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PRODUCT DATA SHEET

Globalzinc Q.D.

Product Description

Globalzinc QD is a quality self curing ethyl silicate based inorganic zinc rich primer. It possesses excellent smooth application characteristics under humid, damp or cold conditions. It may be applied at humidities of up to 95% relative humidity, mud cracking and dry spray characteristics encountered with inorganic zinc coatings are negligible with Globalzinc QD.

Recommended Uses

Hard abrasion resistant long life single coat galvanised finish. Used in mild to severe marine environments or heavy industrial conditions. May accept up to 400°C dry heat.

For severe chemical exposure topcoat with Global Epoxies or chlorinated rubber finishes as recommended. Topcoats should not be applied until Globalzinc is thoroughly cured. (Refer manufacturer's cure chart). As a single coat on the mating faces of steel sections joined with high strength bolts as in friction grip joints to AS CA45, slip coeff of 0.50.

Application

Add Part B (zinc dust) to liquid Part A. Mix thoroughly and strain into a container through 30-50 mesh sieve. Mixing ratio is 17.2 litre A to 20kg B for a 20-litre pack. Apply by agitated pressure pot or airless spray. Brush application unsuitable. Pot life when mixed, eight hours approximately. Clean equipment with special Global Thinners 007. Surfaces may be handled after 2-4 hours. Topcoat in 16-18 hours minimum.

Safety Precautions

Globalzinc QD has a low flash point of 10°C. Avoid contact with the skin. If contact does occur rinse thoroughly with fresh water. Allow adequate ventilation.

Colour

Light Grey.

Finish

Flat.

Pigment

Zinc Dust.

Vehicle

Inorganic Ethyl Silicate (self curing).

Solvent

Alcohols, Glycol, Ether.

Solids by Volume

52%.

Recommended DFT per coat

65-90 micrometres.

Coverage Rate

6.5 square metres/litre @ 75 micrometres DFT (allow appropriate loss factors).

Dry Heat Resistance

400°C.

Zinc in dry film

Approximately 66%.

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PRODUCT DATA SHEET

Supacoat Primer 210 – 300

Product Description

Global Supacoat Primer is a new generation anti-corrosive primer for steelwork. New technology strontium-zinc (non metallic) complex, non toxic inhibitive pigment, has replaced zinc chromates and other toxic pigments.

This fast drying primer is a multipurpose primer compatible for overcoating with both conventional and 2 component materials. It is available in white, grey or red.

Recommended Uses

For priming steelwork that may require topcoating with single pack or 2-pack materials, such as epoxies, polyurethanes and isocyanate free 2-pack enamels.

Supacoat is an excellent anti-corrosive primer and should typically be specified as follows:

Abrasive blast clean to AS 1627.4, Class 2.5	
Supacoat Primer -	75 micrometres d.f.t.
High Solids Epoxy topcoat -	<u>150 micrometres d.f.t.</u>
TOTAL	<u>225 micrometres d.f.t.</u>

Surface Preparation

Application by spray is recommended due to the quick drying characteristics of this primer. Airless or conventional spray is recommended. Thin if required with Global Thinners 002.

Drying

Touch dry:	10-15 minutes.
Overcoat time:	1 hour Alkyds.
Overcoat time:	8-10 hours 2 pack materials.

Colour

White, Grey, Red Oxide.

Finish

Flat.

Pigment

Strontium Zinc Phosphosilicate.

Vehicle

Modified Alkyd.

Solids by Volume

43%.

Recommended DFT per coat

75 micrometres.

Coverage Rate

5.73 square metres/litre.

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PRODUCT DATA SHEET

Global Phenolic Primer

Product Description

This is a quality, high performance anti-corrosive primer for steel, possessing quick drying characteristics.

The product is available based on two types of anti-corrosive pigmentation, either Zinc Phosphate depending on the exposure conditions anticipated. They are based on Phenolic modified alkyd resins and may be overcoated with a wide range of topcoats.

Recommended Uses

On structural steel work, equipment, tankage, pipelines and general maintenance or new steel applications where atmospheric exposure is expected. May be used as a one coat primer finish over suitably prepared steelwork.

Surface Preparation

Surfaces should be clean and free of grease, dust, dirt and loose particles. For best results abrasive blast clean to AS 1627.4, Class 2.5 or power tool clean to AS 1627.2, Class 1.

Application

Application by spray is preferred, due to quick drying characteristics. Use airless spray or pressure pot to apply a uniform smooth finish. Thin with Global Thinners 005.

For airless spray use a minimum 25:1 pump ratio with 0.38-0.53mm tips. Brush or roll in small areas on touch up only.

Drying

Touch dry:	15 minutes.
Overcoat time:	2 hours.
(minimum):	16-48 hours depending upon the topcoat selected.

Colour

Red, Grey, White.

Finish

Flat.

Pigment

Zinc Phosphate and inert extenders.

Vehicle

Phenolic modified alkyd resin.

Solvent

Aromatic Hydrocarbons.

Solids by Volume

40%.

Viscosity

70-80 Ku @ 25°C.

Recommended DFT per coat

75 micrometres.

Recommended WFT per coat

175 micrometres.

Coverage Rate

5.3 square metres/litre @ 75 micrometres DFT. (Theoretical).

Specifications

ASK 108 Type 2.
ASK 211 Type 4.

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PRODUCT DATA SHEET

Global High Build Red Oxide Zinc Phosphate Primer

Product Description

Global Red Oxide Primer is a heavy duty zinc Phosphate based primer, designed for application to various types of steel surfaces. This primer has excellent anti-corrosive properties and may be applied with the greatest of ease to provide excellent hold up and coverage on even poorly prepared steel work.

Recommended Uses

Buildings, lintels, towers, bridges, girders, tankage externals.

This primer is used where good wetting of badly pitted steel is required and is an excellent shop and field primer for long term anti-corrosive protection. Not recommended in immersion conditions. However, weathering is very good.

Surface Preparation

For best possible results on steel all rust and scale should be removed completely. Blast clean to AS 1627.4, Class 2 or pickle to AS 1627.5. Power tool cleaning will also provide satisfactory results. Clean to AS 1627.2, Class 1 or AS 1627.7, Class 1. May be topcoated with Alkyd resin based finishes only.

Application

Stir thoroughly until product is uniform. Apply by brush or roller. Thin 10% maximum with mineral turps.

Conventional spray: Reduce with approximately 10% mineral turps.

Airless spray: Apply as supplied.

Drying

Dust free:	30 mins – 1 hour.
Dry to handle:	6-8 hours.
Recoat:	Overnight drying.

Colour

Red.

Finish

Flat to low sheen.

Pigment

Zinc Phosphate, iron oxide, extenders.

Vehicle

Alkyd resin.

Solvent

Mineral spirits.

Solids by Volume

45% plus/minus 2%.

Package Viscosity

2-3 poise @ 25°C to AS 1580 method 214.3.

Recommended DFT per coat

40-50 micrometres.

Recommended WFT per coat

90-100 micrometres.

Coverage Rate

11.25 square metres/litre @ 40 micrometres DFT.

Dry Heat Resistance

To 95°C.

Specifications Met

ASK 108 (1963) type 1.

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PRODUCT DATA SHEET

Global Satin Red Oxide Primer

Product Description

Global Satin Red Oxide Primer is a heavy duty alkyd resin based primer, designed for application to various types of steel surfaces. This primer has excellent wetting properties and may be applied with the greatest of ease to provide an excellent smooth finish.

Recommended Uses

Buildings, lintels, towers, bridges, girders, tankage externals.

This primer is used where good wetting of the substrate is required and is an excellent shop and field primer. Not recommended in immersion conditions. However, weathering is good.

Surface Preparation

For best possible results on steel, all rust and scale should be removed completely. Blast clean to AS 1627.4, Class 2 or pickle to AS 1627.5. Power tool cleaning will also provide satisfactory results. Clean to AS 1627.2, Class 1 or AS 1627.7, Class 1. May be topcoated with Alkyd resin based finishes. Refer Global Acrylic Modified Spraying Enamel.

Application

Stir thoroughly until product is uniform. Apply by brush or roller. Thin 10% maximum with mineral turps.

Conventional spray: Reduce with approximately 10% mineral turps.
Airless spray: Apply as supplied.

Drying

Dust free:	30 minutes – 1 hour.
Dry to handle:	6-8 hours.
Recoat:	Overnight drying.

Colour

Red.

Finish

Flat to low sheen.

Pigment

Zinc Chromate, iron oxide, extenders.

Vehicle

Alkyd resin.

Solvent

Mineral spirits.

Solids by Volume

42% plus/minus 2%.

Package Viscosity

2 poise @ 25°C to AS 1580 method 214.3.

Recommended DFT per coat

40-50 micrometres.

Recommended WFT per coat

90-100 micrometres.

Coverage Rate

11.25 square metres/litre @ 40 micrometres DFT.

Dry Heat Resistance

To 95°C.

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PRODUCT DATA SHEET

Global Weld – Prime E.P. 206-306

Product Description

Weld Prime is a 2-Component Epoxy, Anti-corrosive pre weld primer. This product is designed to protect abrasive blast cleaned steelwork at the fabrication stage. Typical applications are on plate work and pipelines awaiting fabrication and erection in a field situation. The product will effectively protect the steelwork from corrosion for up to 6 months in the field. It will accept forming and rolling without damage.

Typical dry film builds of up to 30 micrometres will allow welding without affecting the quality of the weld.

Recommended Uses

Short term field protection of steelwork prior to fabrication and subsequent topcoating with most coating types e.g. Chlorinated Rubber, Epoxies, Urethanes etc.

Surface Preparation

Abrasive blast clean to AS 1627.4, Class 2 or 2.5. Ensure that the blast profile does not exceed 40 micrometres when specifying 25 micrometres DFT.

Application

Thoroughly mix parts A and B 1:1 by volume. Apply by brush, spray or roller. Preferably by Airless spray. Clean up with Global Thinners 003.

Drying

Touch dry: 4-6 Hours @ 25°C.
Recoat: 6-8 Hours minimum.
Maximum Recoat: Indefinite.

Safety Precautions

This paint contains Liquid Epoxy resin and organic Amines in chemical combination. When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

Red.

Finish

Flat.

Pigment

Anti-corrosive Pigments.

Solvent

Aromatics, Ketones, Alcohols.

Solids by Volume

30%.

Recommended WFT per coat

80-160 micrometres.

Recommended DFT per coat

25-50 micrometres.

Coverage Rate

12 square metres/litre @ 25 micrometres DFT.

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PRODUCT DATA SHEET

Global Metal Etch

Product Description

Global Metal Etch Primer is a vinyl etch primer. May be topcoated with all conventional alkyd type coatings and also High Build Chlorinated Rubber and Chlorinated Rubber Enamel, 2-pack Epoxy and Polyurethane.

Recommended Uses

As an etch primer pre-treated or conditioner for most metals, including steel, aluminium, galvanised steel, zinc base die casting, brass, zinc and aluminium metal spray, copper, cadmium and nickel.

Surface Preparation

All surfaces must be clean, dry and free from all oil, grease, dirt and prepared according to Australian Standard 1627.1, degreasing of metal surfaces. If used on steel, blast cleaning to near white metal, Australian Standard 2.5 is required.

Application

Mix base and catalyst in equal parts by volume. Reduce approximately 25% with Global Thinners 007. Apply by pressure pot or airless spray to give a DFT of 7 – 10 micrometres.

It should be noted that at the correct film thickness cover will be poor, giving a thin “washy” look and that the recommended maximum film thickness must not be exceeded.

Do not attempt to obtain complete hiding this is not required. Pot life when mixed is about eight hours. Do not apply in confined spaces without an adequate supply of fresh air.

Clean equipment with Global Thinners 007.

Caution

It is essential the recoat limits be observed and the next coat in the painting system be applied within the period shown, otherwise failure may occur due to exposure to dew, rain, high humidity, or excessive sunlight.

Drying

Dust free: 5 minutes.
Dry to handle: 15 minutes.
Hard dry: 2 hours.
Recoat interval: 30 minutes minimum, 8 hours maximum.

Colour

Yellow.

Finish

Flat.

Vehicle

Modified Vinyl.

Pigment

Zinc Tetroxy Chromate.

Solvent

Alcohols.

Solids by volume (mixed ready for use)

7%.

Recommended DFT

7.0 micrometres.

Coverage Rate

6.3 square metres/litre.

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PRODUCT DATA SHEET

Global Heat Resistant Silicone

Product Description

Global Heat Resistant Silicone is a single-pack pure silicone resin pigmented with aluminium. It is for use only in the temperature range 149-500°C and used between this range will give excellent durability on interior or exterior exposures.

Recommended Uses

A heat resisting coating for interior and exterior use on smoke stacks, kilns, boiler fronts, incinerators, etc. It must only be used when the operating temperature is to be in excess of 149°C as the film, although dry to touch, remains soft and does not obtain full hardness unless cured at this temperature.

Surface Preparation

Blast cleaning to white metal. Australian Standard 1627.4, Class 3 is essential for best durability and when operating temperatures are above 343°C. Hand or power tool cleaning is satisfactory only at lower temperatures.

Application

Stir thoroughly until uniform. Apply by brush or spray and reduce as necessary with Global Thinners 005.

2 coats should be applied for greatest durability, cure the first coat for 30 minutes at 200°C before applying the second coat, or allow 24 hours drying between coats. For best exterior protection it is recommended to use over a prime coat of Global Zinc 2105 Ethyl Silicate.

Drying

Dust free: 4 hours.
Recoat: 24 hours.

Colour

Aluminium or Grey.

Finish

Semi-gloss.

Pigment

Aluminium.

Vehicle

100% Silicone Resin.

Solvent

Aromatic.

Solids by Volume

30%.

Viscosity

50-60 Ku @ 25°C.

Recommended DFT per coat

25 micrometres.

Recommended WFT per coat

75 micrometres.

Coverage Rate

12.3 square metres/litre @ 25 micrometres.

Heat Resistance Range

150°C minimum, 500°C maximum.

Specifications Met

500°C continuous dry heat.

550°C intermittent dry heat.

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PRODUCT DATA SHEET

Global Hi-Heat B.T. 600 Aluminium

Product Description

Hi-Heat B.T 600 Aluminium is a specialty coating designed to withstand temperatures of up to 650°C. The coating is formulated on Butyl Titanate resin and high temperature plasticisers to ensure the flexibility required at this level.

The product cures at ambient temperatures and is therefore suitable from the range of ambient to its maximum. It is normally applied over Inorganic Zinc Primer, Global Zinc 2105 when used in external applications.

Recommended Uses

Boilers, Kilns, Stacks, Heat exchangers, Gas turbine exhausts, Power stations, Petrochemical plants, in high temperature areas.

Surface Preparation

Steel surfaces should be blast cleaned to AS 1627.4, Class 2.5 minimum.

External Situations:

Apply a prime coat of Global Zinc 2105 to 75 micrometres. Topcoat with B.T. 600 Aluminium in two coats at 30 micrometres d.f.t per coat.

Internal Applications of continuous high temperature:

Apply directly to the blast cleaned steel surface in two coats at 30 micrometres per coat.

Drying

Allow minimum of 6 hours between coats. Maximum indefinite.

Application

Apply by Conventional pressure pot equipment. For clean up use Global Thinners 002.

Ensure the material is agitated while being applied. Mix thoroughly prior to use.

Colour

Aluminium.

Finish

Metallic Shine.

Pigment

Leafing grade Aluminium.

Vehicle

Butyl Titanate.

Solvent

Aromatic Hydrocarbons

Solids by Volume

30%.

Recommended DFT per coat

30 micrometres.

Coverage Rate

10 square metres/litre.

Heat Resistance

650°C. Maximum Continuous Dry Heat.

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PRODUCT DATA SHEET

Global Heat Resisting Silicone – Acrylic

Product Description

Global Heat Resistant Silicone - Acrylic is a single pack high temperature resistant coating designed for external or internal applications, between the range of ambient to 200°C. The product is available in 3 colours, aluminium, white and grey.

Recommended Uses

For use on high temperature areas where temperatures do not exceed 200°C. In such an instance Global H.R. Silicone Zinc or Aluminium is recommended.

Surface Preparation

Abrasive blast cleaned steel. Minimum AS 1627.4, Class 2.5. Where external exposure is envisaged, apply 75 micrometres of Global Zinc 2105 Primer first, followed by Global Heat Resisting Silicone – Acrylic.

Application

Apply by conventional spray equipment with continuous agitation. Thin if necessary and clean up with Global Thinners 002. Two coats are recommended at 35 micrometres per coat.

Drying

Dust free: 30 minutes.
Recoat: 4 – 6 hours.
Place in service in 24 hours.

Safety Precautions

When mixing and applying, avoid skin contact and wear protective clothing. Accidental spillage on the skin should be removed with soap and water or an industrial skin cleaner. Do not use in confined spaces without an adequate supply of air.

Colour

White, Grey or Aluminium.

Finish

Gloss.

Pigments

Titanium Dioxide and Heat Resisting Pigments.

Solvent

Aromatic.

Solids by Volume

35%.

Recommended DFT per coat

35 micrometres.

Coverage Rate Theoretical

10 square metres/litre.

Disclaimer

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PRODUCT DATA SHEET

Global Hi-Temp Aluminium Enamel

Product Description

Global Hi-Temp Aluminium Enamel is a quick drying, durable enamel with a brilliant and highly reflective finish. The excellent temperature resistance of up to 450°C externally and 220°C internally makes it the ideal choice in industry. This product enables complete obliteration to be obtained with one coat, but for optimum durability two coats are recommended.

Recommended Uses

As a general purpose Hi-Temp aluminium paint for structural steel, vessels, pipes and wherever speed of drying and temperature resistance is important.

For external Applications:

Please note that this product must be used with a suitable Zinc Hi-Temp Primer such as Global Zinc Dust Grey or Global Zinc 2105 over Blast Cleaned Steel. In internal applications and where unexposed to weather a primer is not necessary.

Surface Preparation

All surfaces to be painted must be blast cleaned to AS 1627.4, Class 2.5 and suitably primed.

Application

Stir thoroughly until uniform and apply by airless spray or brush, thin with 10% mineral turpentine for spray application.

Drying

Dust free:	1 – 2 hours.
Dry to handle:	8 hours.
Hard dry:	Overnight.

Colour

Reflective Aluminium.

Finish

Sheen.

Pigment

Leafing grade aluminium paste.

Vehicle

Oil modified Hydrocarbon Resin.

Solvent

Mineral Turps.

Solids by Volume

45%.

Recommended DFT per coat

25-30 micrometres.

Coverage Rate

15.5 square metres/litre.

Heat Resistance

220°C internally.

450°C externally.

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PRODUCT DATA SHEET

Industrial Gloss Acrylic

Product Description

Global Industrial Gloss Acrylic is a heavy duty water borne acrylic for general exterior application. It is extremely weather resistant and provides excellent colour and gloss retention over extended periods. It is specifically designed for use as an aesthetic coating over zinc rich prime coats such as Globalzinc Ethyl Silicate 2105.

Recommended Uses

For coating all weather exposed or enclosed masonry, asbestos cement, brick and cement render.

Surface Preparation

Prior to painting, all surfaces should be dry, clean and free of contaminants.

New Unpainted Surfaces:

Concrete & Masonry: should be allowed to cure thoroughly prior to painting.

Galvanised Iron: solvent wipe and prime with Galvanised Iron Primer.

Wood: prime with Global primer for wood.

Previously Painted: Remove all loose and flaking paint to a sound, firmly adherent substrate. Chalking paint should be scrubbed down to a chalk-free substrate. Patch cracks and spot prime bare areas.

Application

Stir thoroughly to a uniform consistency. For brush application a nylon or synthetic bristle brush is preferred. For roller application use short nap Orlon or Democ rollers on smooth surfaces and pre-wet with water before using. For rough surfaces use long nap synthetic covers. For spray use De Vilbiss JGA 502 gun tip and needle with 704 air cap or equivalent. Thin sparingly with fresh water. For airless spray use 30:1 ratio pump with 0.38-0.53mm orifice and material direct from the can. Wash up with water.

Drying

Touch dry: 30 minutes.

Recoat: 2 hours.

Times will vary with temperature conditions.

Colour

White and wide range.

Finish

Full Gloss.

Pigment

Chemically resistant pigments.

Vehicle

Latex emulsion.

Solvent

Water.

Solids by Volume

45%.

Coverage Rate

16 square metres/litre average, dependant upon application technique and surface job conditions.

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PRODUCT DATA SHEET

Acrylic Mastic Wall Coating Flat

Product Description

This is a water borne acrylic mastic coating capable of being applied at several times the thickness of normal coatings. It has excellent durability for both internal and external exposure. It has very good flexibility, abrasion resistance and ability to bridge and fill cracks in masonry surfaces. It dries to a flat self cleaning film.

Surface Preparation

Surfaces should be strong, free of dirt, loose particles and dust. Highly glazed surfaces should be sealed with a coat of Supafix. Porous surfaces should be sealed with a 50/50 solution of Supalux Supaseal.

Application

Suitable for application by spray or roller, airless spray is ideal for heavy film builds.

Volume Solids

60%.

Colour Range

White and Pastel Tints.

Coverage Rate

Approximately 4 square metres/litre at 150 micrometres DFT. However, spreading rate is largely determined by required film build.

Thinner

Water.

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PRODUCT DATA SHEET

Weatherseal Acrylic Mastic

Product Description

This is a water borne acrylic mastic coating capable of being applied at several times the thickness of normal coatings

Surface Preparation

Surfaces should be strong, free of dirt, loose particles and dust. Highly glazed surfaces should be sealed with a coat of Supafix. Porous surfaces should be sealed with a 50/50 solution of Supalux Supaseal.

Application

Suitable for application by spray or roller, airless spray is ideal for heavy film builds.

Volume Solids

60%.

Colour Range

White and Pastel Tints.

Coverage Rate

Approximately 4 square metres/litre at 150 micrometres DFT. However, spreading rate is largely determined by required film build.

Thinner

Water.

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PRODUCT DATA SHEET

Weatherseal Clear

Product Description

This is a solvent based high build acrylic resin sealer. Designed for exterior or interior masonry surfaces.

The high tolerance to ultra violet rays and moisture make this an excellent choice for weatherproofing blockwork externally.

Recommended Uses

External blockwork, render and brickwork.

Surface Preparation

Surfaces must be clean and dry prior to painting. Form oils and release agents may inhibit adhesion.

Application

Apply by roller or spray at the rate of approximately 4 square metres/litre to ensure the ultimate in water proofing.

Colour

Clear.

Thinner

Global Thinners 002 (clean up only).

Drying Time

Allow 4-6 hours between coats, although one wet on wet coat is recommended.

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PRODUCT DATA SHEET

Global Estershield V 220 – 101

Product Description

Estershield V is a Solventless Vinyl Ester Coating, designed for high performance applications on steel and concrete surfaces. It has excellent chemical resistance, particularly acid resistance and is extremely hard wearing.

The nature of Solventless Vinyl Ester coatings is such that it is highly impervious to moisture and therefore is an excellent high build, anti-corrosive coating, capable of very high builds of up to 3 millimetres DFT.

Recommended Uses

Estershield V is recommended in applications where abrasion and corrosion, or chemical attack warrant such a coating. This material will out perform conventional Heavy Duty coatings in certain applications – e.g. Acid resistance and abrasion. Typical uses: pipelines, tank floors, acid wash areas, conveyor footings, jackets, piles, steel decking.

No primer is recommended on Structural Steel. A Vinyl Ester sealer is recommended on concrete. A minimum of 1000 micrometres total DFT is usually specified.

Surface Preparation

Steel should be abrasive blast cleaned to AS 1627.4, Class 2.5.

New concrete should be acid etched to ensure an adequate key is provided for adhesion.

Old or new concrete may also be abrasive blasted to remove existing paint. Grease and oil must be removed prior to the application of Estershield V. All concrete surfaces must be completely dry. (Any doubts should be cleared with Global technical personnel prior to treatment).

Application

Stir Estershield V thoroughly before use. Apply using twin feed external mix spray with 45:1 ratio airless pump.

Mix ratio is 100 parts base to 2 parts Catalyst M.E.K.P. – S.R. i.e. 2%. Pot life mixed is approximately 30 minutes @ 25°C. Small areas may be sprayed with conventional airless equipment provided lines are flushed immediately after. Clean up with Global Thinners 009.

Colour

Off-white, grey.

Finish

Flat.

Pigment

Mica filled with inert extenders.

Vehicle

Catalysed Vinyl Ester resin.

Mixing Ratio

100 parts base to 2 parts catalyst by volume.

Solvent

Acetone.

Solids by Volume

90% plus/minus 5%.

Recommended WFT per coat

1065-3200 micrometres.

Recommended DFT per coat

1000-3000 micrometres.

Number of coats

One coat only recommended.

Recoatibility

Refer manufacturer.

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PRODUCT DATA SHEET

Thermacoat F.R.

Product Description

Thermacoat F.R. is an extremely high build Acrylic Mastic Coating. Designed primarily for use over conventional glass-wool insulation, but may be put to a variety of uses. It is a water based product with an excellent durability. Thermacoat F.R. dries to a flexible, extremely tough membrane with a semi-gloss finish.

The characteristics of this product enable it to fill gaps, holes, craters and dips in the substrate to give a pleasing, even, weather proof finish. It can be applied at WFT up to 6mm per coat. It is fire resistant and flame retardant, being self-extinguishing in the event of fire.

Recommended Uses

For the permanent weather-proofing of conventional insulation or wherever an extremely high build protective coating is needed.

Surface Preparation

Surfaces must be clean, dry and sound.

Application

Thermacoat F.R. should be applied by airless spray in order to achieve maximum film builds. A 50:1 airless unit with 1.15mm orifice tip is recommended. It can also be applied by steel trowel to give a smooth finish, or for small areas of touch-up. If thinning is necessary, use water. Clean up with water.

Drying

Touch dry: Usually 2-3 hours, depending on temperature, humidity and film thickness.

Hardy dry: 2-7 days, depending on film thickness.

Thermacoat F.R should not be applied at temperatures below 4°C or in high humidity where the evaporation of moisture is retarded.

Colour

White and colours.

Finish

Textured, low semi-gloss.

Pigment

Titanium dioxide and fire resistant additives.

Vehicle

Acrylic Emulsion and Fire Retardant Additives.

Solvent

Water.

Solids by Volume

60% plus/minus 2%.

Recommended WFT per coat

5000 micrometres.

Recommended DFT per coat

3000 micrometres.

Coverage Rate

0.2 square metres/litre at 3000 micrometres DFT. Allow appropriate loss factor.

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PRODUCT DATA SHEET

Firestop 500 Fire Retardant Mastic

Product Description

A high build asbestos free mastic coating which is non-flammable and inert. Applied at a dry thickness of 1.6mm on to PVC/PE electrical cable, prevents flame spread or fire propagation originating from short circuiting or from an external fire source in close proximity to the cables. A reduction in toxic gas and smoke emissions are also realised.

Recommended Uses

Firestop 500 provides protection for grouped or frayed electrical cables, conduit pipes and steel in refineries, mining, hydro-electric, pulp and paper industries and in high rise buildings.

Surface Preparation

Before coating, surface must be clean and free from oil, grease, dirt and other foreign matter.

Application

Stir thoroughly until uniformly mixed, thinning is not normally required but if necessary add up to 10% water by volume.

Apply by airless spray (see reverse side for details), building up to the required thickness by allowing preceding passes of the gun to set before continuing. This procedure will allow faster water release from the mastic film and reduce the possibility of sagging on vertical surfaces.

Drying

At 2mm DFT, approximately 4 hours touch dry, 16 hours hard dry depending on temperatures, humidity and ventilation. Fully cured in approximately 10 days.

Colour

Off-white

Finish

Matt with course texture.

Pigment

Specially selected flame retardant types.

Vehicle

Latex emulsion.

Solvent

Water.

Solids by Volume

60%.

Recommended DFT per coat

1,500 micrometres.

Recommended WFT per coat

2,500 micrometres.

Coverage Rate

1.41 square metres/litre at 1.5mm dry (allow for appropriate loss factor).

Application

Airless 45:1 or 50:1 ratio unit with 1.125mm orifice tips are large material line settings.

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PRODUCT DATA SHEET

Global Mastic

Product Description

Global Mastic is a heavy duty coating based on Gilsonite and selected bitumens reinforced with synthetic fibres. The coating is impervious to water, weather and chemicals. Colours available are black, aluminium and micaceous iron oxide. The aluminium version is normally recommended to provide maximum service life in exterior exposure conditions due to the leafing quality of pigment utilised.

Recommended Uses

For use on structural steel, pipes, machinery, steel in underground situations, metal and masonry surfaces wherever long term durability needed with minimum maintenance and expense. Typical uses are in fertilizer works and steel industries, conveyors, underground pipelines etc. Not suitable for solvent exposure.

Surface Preparation

Steel: Prime with a suitable metal primer such as Global Phenolic Zinc Phosphate Primer. Alternatively can be applied direct to zinc rich primers such as Globalzinc Ethyl Silicate 2105.

Galvanised Surfaces: Prime with Galvanised Iron Primer.

Masonry & Wood Surfaces: Self prime.

For repaint work, remove loose paint, rust and other foreign matter and on metal surfaces, spot prime bare areas as appropriate. After drying apply Global Mastic.

Application

Stir thoroughly until uniform. Global Mastic is supplied ready for use for application and should be applied as heavy as possible without sagging.

Preferred application is by airless spray using 0.53 - 0.68mm orifice tips depending upon available pressure and job conditions. If thinning is necessary use Global Thinners 002 sparingly and as equipment cleaner or mineral turps.

Brush application suitable for small areas but will give less film build.

Drying

Drying time: 12 hours.
Recoat: Overnight.

Colour

Black, Aluminium and Micaceous Iron Oxide in Charcoal or Dark Green.

Finish

Dull.

Pigment

Aluminium Flake or Micaceous Iron Oxide.

Vehicle

Gilsonite modified with Bitumens.

Solvent

Mineral spirits, Xylol.

Solids by Volume

50%.

Viscosity

Mastic or Paste consistency.

Recommended DFT per coat

250 micrometres.

Coverage Rate

Theoretical spreading rate at 250 micrometres dry is 2.0 square metres/litre.

Dry Heat Resistance

120°C.

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PRODUCT DATA SHEET

Global Thinners

The following thinners are manufactured for the global range of coatings.

Thinners 001:

A mineral spirits solvent for use in Brushing Alkyd Resin based enamels or in hot dry conditions where dry spray is envisaged.

Flash Point 30°C.

Thinners 002:

This thinner is an aromatic solvent for use with Global Chlorinated Rubber coatings, Spraying Enamels, Tar Epoxy Global Zinc P.S. and other coatings where specified.

Flash Point 29°C.

Thinners 003:

A blended formulation for use in reducing epoxy coatings, Tar Epoxy, Global Zinc E.P., Tank Epoxies and for most 2-pack Epoxy coatings. Used as a general clean up thinner as well.

Flash Point 25°C.

Thinners 004:

A blended fast evaporating solvent used in the Global Vinyl Coatings range, also used as a lacquer thinner.

Flash Point 9°C.

Thinners 005:

An aromatic solvent, fast evaporating for use as a general purpose cleaning solvent.

Flash Point 27°C.

Thinners 006:

Slow evaporating hot weather spraying solvent used in Alkyd Resin based paints.

Flash Point 30°C.

Thinners 007:

This solvent is specifically formulated for use in thinning and cleaning equipment when using Inorganic Ethyl Silicate Zinc coatings e.g. Global Zinc 2105, Global Zinc Q.D. and Metal Etch Primer.

Flash Point 45°C.

Thinners 008:

Possessing fast evaporating properties, this solvent is used in 2 component polyurethane enamel and 2 Component Global Polyurethane Clears.

Flash Point 29°C.

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PRODUCT DATA SHEET

Paint and Varnish Remover

Product Description

Paint and Varnish Remover contains strong penetrating solvents which remove conventional paints with ease. Emulsifiers are incorporated to enable residual products to be removed with water washing, leaving a clean wax-free surface suitable for re-painting. This product is non-flammable and non-caustic.

Paints based on epoxy resin and baked enamel finishes may be removed with this product, although more than one application may be required to effectively complete removal.

Method of Use

1. Apply a heavy coating of Paint and Varnish Remover to the painted surface.
2. Allow to remain until the paint is blistered and softened.
3. Remove the paint with a scraper.
4. Should some paint still remain, repeat the process.
5. It is essential that all traces of Paint and Varnish Remover be eliminated before re-painting. Thoroughly flush surface with water, scrub down carefully and allow to dry completely. Mineral turpentine may also be used if water is unacceptable.

Precautions

1. Use under conditions of adequate ventilation.
2. Do not smoke during use.
3. Open can carefully as pressure may develop in hot weather.
4. Store away from heat and sunlight.
5. Reseal tightly after use.
6. Rubber gloves should be used to protect hands during application and removal.
7. Should skin be splashed with remover, wash affected area immediately with fresh water.

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PRODUCT DATA SHEET

Polyurethane Paving Paint

Product Description

This is a polyurethane resin-based, low sheen paving paint. This product has excellent exterior durability and good grease resistance.

Surface Preparation

New concrete should be acid-etched with a solution of 1 part hydrochloric acid (spirits of salts) and 2 parts of water. After acid-etching, thoroughly scrub down surface with plenty of fresh water.

Previously painted surfaces should be free of grease, dirt and loose particles. Peeling paint should be removed with a scraper and the surface sanded thoroughly with abrasive paper.

Application

Supplied ready for use, but small quantities of mineral turpentine may be added if thinning is found to be necessary. Two coats are recommended for best results.

Coverage Rate

14 square metres/litre per coat. A special mica non-slip aggregate is added for a safe, non-slip surface which is easily cleaned and safe for child play areas etc.

Thinner

Mineral turpentine.

Dry Time

1-2 hours.

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PRODUCT DATA SHEET

Silicone Water Repellent

Product Description

A clear, penetrating water repelling solution of silicone resin in solvent. Leaves no trace of its use, save a heightening of original colour and texture, yet provides a high degree of protection from the spoiling effect of water, dampness and moisture. This product contains a powerful fungistat to inhibit mould formation.

Recommended Uses

For the natural protection of cement and cement rendered surfaces, new or old brickwork and stonework, new or old cement and clay roofing tiles, asbestos roof and wall panelling, limestone and masonry generally.

Surface Preparation

The surfaces to which this product is to be applied must be clean and dry and must have been dry for twenty four hours prior to treatment. It is preferable to apply the material prior to painting with conventional materials.

Application

To be applied liberally by brush, airless spray or roller. Allow the material to flow down liberally at point of contact.

All equipment must be thoroughly washed after use with mineral turpentine. Do not contaminate other equipment or any paint or painting materials.

Coverage Rate

Will vary with surface to be treated, but generally;

Hard finished non-porous surface – 18 square metres per 4-litre.
Light weight and porous masonry – 7-9 square metres per 4-litre.

Thinner

Mineral Turpentine.

Dry Time

The material will be effectively dry and able to withstand moisture a few hours after application. After one day, almost maximum protection is achieved and after a week and film is completely effective.

Disclaimer

The manufacturer warrants that its products have been manufactured under strict control and conforms to its highest standards. The performance of the product will vary according to the nature of the surface to which it is applied and the preparation and mode of application of the product. As the manufacturer cannot supervise the above procedures no warranty as to the fitness of the product for a particular purpose can be given provided that nothing herein shall be deemed to exclude, restrict or modify any condition or warranty expressed or implied by any statute whether State or Federal. With the constant advancement in technology we suggest that the information used in making recommendations from the literature be reviewed every six months.



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PRODUCT DATA SHEET

Global Asbestos Abatement Sealer

Product Description

Asbestos Abatement Sealer is a multi-purpose silicate based single pack, solvent based, low viscosity, penetrating sealer. It is designed to provide an inorganic wetting and penetrating seal on asbestos and other loose fibres. This material is tolerant to poorly prepared surfaces and is designed to provide an inert clear compound to lock in airborne asbestos fibres.

Application

Apply by roller, brush or preferably by low pressure airless spray, at 4-6 square metres/litre.

Surface Preparation

Dust down to remove surface contaminants, ensure the surface is dry. Clear off obvious foreign matter. Remove fungus and mildew by the use of Global Fungicidal Solution. Allow to dry.

Drying

Touch dry: 1 hour.
Recoat: 2-4 hours.

Colour

Clear.

Finish

Flat.

Vehicle

Inorganic Potassium Silicate.

Solvent

Water.

Coverage Rate

4-6 square metres/litre to saturate the surface thoroughly.

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