

ANCHOR SHIELD EPOXY ENAMEL



PAINTS OF DISTINCTION



Description

Anchor Shield Rust Coat Epoxy Enamel is a premium quality, high durability rust inhibiting topcoat with excellent adhesion and abrasion resistance designed to be applied directly onto properly prepared steel surfaces without the aid of a primer. It has excellent resistance against rust and resists the penetration of corrosive elements. It is ideal for use on a variety of steel surfaces including metal fences, roofs, doors, gutters, downpipes, windows, workshop machinery, railing and gates.

Surface Preparation

The surface must be thoroughly cleaned and free from grease, rust, wax, dirt, dust, oil and anti rust additives. Remove all traces of rust by wire brushing or mechanical sander until sound metal surface is achieved. Remove dust and iron fillings that may have been generated during the sanding operation. Wipe the surface clean with solvent and a rag. Allow the surface to dry thoroughly.

Directions

Thinning

Brush - Mineral Turpentine to adjust viscosity up to 5%

Spray - Enamel spray thinner or mineral turpentine up to 15%

No primer is required when applied onto ferrous surfaces such as mild and heavy gauge steel, but non-ferrous surfaces such as Aluminum and Galvanized Iron should be primed with appropriate Galvanized Iron Primer or Etch Primer. Timber and masonry should be sealed and primed with appropriate timber primer with good resistance to tannin bleed.

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If in doubt of the nature of substrate it is best to test suitability of this product by conducting tests on small area at first before conducting large scale applications.

Stir the contents with a broad flat paddle for about 2 minutes to ensure uniformity of contents. Cover nearby areas to protect from spillage or overspray. Apply 2 coats on properly prepared surfaces allowing sufficient drying between coats. If necessary apply additional coats until coverage is achieved. Apply several light coats rather than one heavy coat.

Air Atomized Spray Gun

Normal air pressures required are in the range 45-90 psi and paint can be applied at pressure in the range 8-30 psi and at distance of 20-30cm to prevent dry spray. If the paint is applied too thin then Increase fluid pressure and reduce air pressure. If applied too heavy or the paint has poor atomization (orange peel) or the finish is showing solvent popping then decrease fluid pressure.

If cratering or fish eyes are present in the applied finish this may be due to either oil coming from the airline and getting into the paint during application or the pump used to deliver the paint is leaking oil into the paint. If the gun is spitting paint onto the surface then the gun is dirty and requires cleaning.

Airless Spray Application

Paint can be applied at pressures in the range 800-3000 psi and at distance of 20-30cm to prevent dry spray. An orifice opening of 0.022-0.063cm will provide fan width of 10-30 cm.

If the paint is applied too thin then increase fluid pressure. If applied too heavy and paint is runny or the finish is showing solvent popping then decrease fluid pressure and/or decrease the fluid tip orifice size so less paint gets through. If orange peel present in the finish then decrease the fluid tip orifice size for better atomization.

If cratering or fish eyes are present in the applied finish this may be due to either airborne contaminants getting into the paint during application or the pump used to deliver the paint is leaking oil into the paint. If the gun is spitting paint onto the surface then the gun is dirty and requires cleaning.

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Dry time

will dry to touch in eight (8) hours and can be recoated after sixteen (16) hours or overnight. Allow longer drying during cold winter conditions. It is best to apply at temperatures in the range 15-30°C. Full cure will be achieved within 3-4 days

Coverage

Approximately 10 – 12 square meters per litre. Coverage is also dependent on film thickness, atmospheric conditions and spraying technique. Clean up: After use clean all equipment with Enamel Thinner, All Purpose Thinner or mineral turpentine

Technical data

Paint Type:	Epoxy Enamel.
Colours:	Blue, Gloss Black, Red, Silver, Gloss white, Golden yellow, Brunswick green
Gloss:	Minimum 85 on 60° head gloss meter.
Volume Solids:	Range 14% – 44% for all colours.
Specific Gravity:	0.9 – 1.2 for all colours.
Heat resistance:	Stable up to 120°C.
Water Resistance:	Excellent. Not recommended for submergence exposure.

Packaging

Available in 500 ml, 1 litre and 4 litre

Storage/Shelf Life

Store away from sources of ignition, naked flames and direct path of sun and preferably in temperatures range 15°C to 30°C. When stored as specified the product has shelf life of two (2) years minimum.

Health & Safety

Highly flammable, do not use near fire or open flame. Store in a cool dry place and out of the direct path of the sun. Keep containers tightly sealed when not in use. Keep Out Of Reach Of Children. If swallowed seek medical advice immediately or contact the Poisons Information Center on 13 11 26. Spills and leaks can be contained with absorbent material such as sand, earth or saw dust. Dispose of waste products thoughtfully or through Chemical Waste Disposal Authority. Material Safety Data Sheet is available upon request.

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Intentional misuse by deliberately inhaling contents can be harmful or fatal. Avoid breathing of vapor and mist. Provide adequate ventilation when spraying in confined spaces. Avoid contact with eyes and skin.

Disclaimer

CW Brands Pty Ltd believes that the information in this technical data sheet is an accurate description of the typical uses of the product. The data and statements are based on our research and development work and is to the best of our knowledge true and accurate. The user must ensure of the product(s) in their application prior to use in particular to determine its performance, efficiency and safety. The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Products conform solely to the information contained in this and other related CW Brands Pty Ltd publications. CW Brands Pty Ltd reserves the right to make changes to specifications and information related to the products at any time. Users are asked to check that the literature in their possession is the latest issue. Statements contained herein should not be considered as a warranty of any kind, expressed or implied in describing the performance or suitability of the product for a particular application. No liability is accepted for infringement of any patents or any other intellectual property right.