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PRODUCT INFORMATION SHEET

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RAPID PRIME

Description

A fast drying, single pack lift resistant barrier coat and anti corrosive primer.

Uses

For economical upgrading of alkyd systems to finish with 2 Pack Epoxy, Polyurethane or catalysed acrylic coatings. May be over coated with *HiChem CVI Finish*, *HiChem 2 Pack Polyurethane Finish*, *HiChem 2 Pack Colours*, and *HiChem 2 Pack Iso-Free Finish*.

As a high adhesion anticorrosive primer direct on mild steel surfaces. May be over coated with 2 pack top coats as above and HiChem single pack air dry enamels.

Properties

- Fast drying, grey in colour.
- Excellent levelling
- Excellent anti corrosive properties based on zinc phosphate.
- Excellent adhesion to properly prepared surfaces.
- May be used without top coating for interior use
- Good short term exterior protection without top coating.

Suitable Substrates

Mild Steel

Air dry alkyd enamels. Includes Auto Enamels and Quick Dry Enamels. Existing painted surfaces must be in sound condition-no cracking, crazing or crows feet.

Surface preparation

Mild Steel: Abrasive blast clean to AS1627.4 Class 2.5 minimum.

Power tool clean to AS1627.2 Class 2 minimum.

Previously painted surface: Remove all scale, rust, old and flaking paint etc using a wire brush or mechanical means. Abrade with sandpaper or abrasive pads as required.

All surfaces must be clean and free from any contamination. Degrease with *HiChem Prepwash*.

Application

Airless Spray:

Thin up to 5% by volume with *HiChem Enamel Thinner E250*. In hot conditions (say greater than 30°C) use *HiChem Mineral Turps*.

Nozzle Size 0.43-0.53 mm; Nozzle Pressure 15 mPa

Conventional Spray:

Thin up to 15% by volume with *HiChem Enamel Thinner E250*. In hot conditions (say greater than 30°C) use *HiChem Mineral Turps*.

Nozzle Size 1.8-2.0 mm; Nozzle Pressure 0.3-0.4 mPa

Apply one double header coat to give 50 microns dry film thickness (120 microns wet).

Allow the appropriate drying time (see below) before applying the selected colour coat.

Due to the excellent levelling of Rapid Prime, the colour coat may be applied over Rapid Prime without sanding.

If however surface defects need to be removed, sand with 400-600 grit W&D paper to remove imperfections. When used as a barrier coat it is important to leave a reasonable film build and not to sand through. If sanding results in a rub through or a low film build then recoating with Rapid Prime is necessary.

Drying time

Touch dry: 20-30 mins depending on temperature and build.
Re-coat time: 2 hours for single pack coatings. 4 hours for 2 pack coatings.
Allow minimum. 4 hours drying if sanding is required. De-nib after 2 hours.

Coverage

Approximately 8.6 square metres per litre theoretical when applied at dry film thickness of 50-100 micron (wet film approx. 120 microns).

Volume Solids

43%v/v

Clean up

Clean all equipment with *HiChem Mineral Turps*.

Storage

Store in a cool dry place always replace the lid securely after use.

Safety

Highly flammable provide adequate ventilation during use. Flash point below 23°C. See material safety data sheet.

Standard packages

| | | |
|----------|---|------|
| 20 litre | - | Grey |
| 4 litre | - | Grey |

The information contained in this bulletin is presented in good faith based on thorough laboratory and field testing but without warranty. As we have no control over the conditions under which these products are used, it is recommended that all products be tested by the end user to ensure the suitability of the product for the particular application and conditions.