



Epoxycoat

2K epoxy primer

7100 - line

Description

- 2-pack epoxy primer

Properties

- Excellent adhesion to most ferrous and some non-ferrous metals
- High corrosion, solvent and abrasion resistance
- Easy to sand
- Simple 1:1 mix

Typical Applications

- Structural steel and steel fabrications
- Timber products

General Data

- Weather resistance Good (will chalk and yellow on prolonged exterior exposure, however film integrity is not compromised)
- Solvent resistance Resists splashes of most common solvents; not recommended for continuous immersion
- Chemical resistance Good
- Abrasion resistance Good
- Suitable topcoats All enamel, epoxy and polyurethane topcoats

Specifications (at 25°C and 50% relative humidity)

- Resin type..... Epoxy / polyamide
- Mixing ratio..... 1 : 1
- Solids content..... 29% (by volume)
- Typical film thickness (per coat)..... 25 microns (dry)
100 microns (wet)
- Theoretical coverage..... 12 - 16m² / L @ 25 microns dry film thickness
- Induction time..... 30 - 45 minutes
- Touch dry..... 1 hour
- Hard dry..... 16 hours
- Full cure..... 7 days (will not cure at temperatures below 10°C)
- Recoating..... after 16 hours and before 72 hours
- Pot life..... 4 - 8 hours (depending on temperature and level of thinner added)
- Gloss..... Satin
- Colours..... White, Black
- Shelf life..... minimum 12 months (in cool, dry conditions)
- For faster curing times..... Force dry 1 hour @ 50°C
Bake 15 min @ 120°C

Surface Preparation

- **Bare steel** surfaces should have rust and scale removed by abrasive blasting (to AS 1627.4 Class 2½) or mechanical abrasion. Wipe with clean solvent and rags to remove grease and any other residues
- **Timber** Sand and dust down. Remove all traces of previous coatings. Not recommended for softer timbers, e.g. pine, cedar, etc. Timber should be well seasoned and of less than 10% moisture content prior to coating.

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Mixing recommendation

- Mix the entire contents of each can before decanting
- Mix only the quantity required for the job
- Mix Pack A with Pack B in the ratio 1:1
- Stir thoroughly with a broad paddle or mechanical mixer to ensure even mixing of the two parts
- Product is ready for use when mixed

Application

- May be spray applied using airless or conventional air spray equipment
- **Airless Spray** nozzle size.....0.33 – 0.38 mm
nozzle pressure.....2000 – 2500 psi (14 - 17mPa)
volume of thinner.....2RFU
- **Air Spray** nozzle size.....1.6 – 2.0 mm
nozzle pressure..... 45 – 60 psi (300 - 400kPa)
volume of thinner..... RFU
- **Cleaning solvent**T3 Epoxy Thinner

Safety precautions

- **Refer to the relevant Material Safety Data Sheets for Pack A and Pack B**
- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

Packaging Group III **UN No. 1263**

Pack sizes 4 litre, 20 litre (Pack A)
 4 litre, 20 litre (Pack B)

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These technical data and recommendations are based on tests and information believed to be accurate at the time of printing. They should not be construed as containing any warranty, either expressed or implied. Users should conduct their own tests to determine final suitability of this product.



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