

# EPOXY ENAMEL SOLVENT-FREE

Two-component epoxy coating | 100% solids | Zero VOC

## PRODUCT OVERVIEW

Solvent-free epoxy enamel for surfaces requiring high mechanical and chemical resistance. Protects against water, gasoline, mineral oil, non-oxidizing acids and alkalis. Provides high adhesion on metal, wood, cement, steel, galvanized surfaces and floors, with hardness, toughness and flexibility.

**Key properties:** chemical and abrasion resistance; suitable for multi-layer applications, oil-tank floors and high-build self-levelling finishes. Designed to provide working time for large floor areas and help avoid cold joints.

## TECHNICAL CHARACTERISTICS

|                            |                                        |
|----------------------------|----------------------------------------|
| Product code               | 2310 SF                                |
| Specific gravity           | 1.35 kg/L                              |
| Colour                     | RAL colours                            |
| Binder / hardener          | Epoxy resin / polyamine                |
| Pigment                    | Titanium dioxide and inert filler      |
| Solid content / VOC        | 100% / 0 g/L                           |
| Minimum dry film thickness | 500 microns                            |
| Coverage                   | 2 m <sup>2</sup> /L at 500 microns DFT |
| Application temperature    | +5°C to +40°C                          |

## PACKAGING AND MIXING RATIO

|                        |                            |
|------------------------|----------------------------|
| Small set              | 2.8 L resin + 1 L hardener |
| Large set              | 14 L resin + 5 L hardener  |
| Mixing ratio by volume | 14:5 (resin : hardener)    |

Pack volumes are reproduced in litres. The source US-gallon labels do not consistently correspond to these volumes; confirm supplied pack sizes before ordering.

## SURFACE PREPARATION

Clean or wash with detergent to remove dirt, oil, grease, moss and deteriorated paint. Allow new concrete to dry and release moisture; the source specifies acid etching before priming. Prime prepared surfaces with a suitable epoxy primer.

# EPOXY ENAMEL SOLVENT-FREE

Application, curing and product handling

## APPLICATION SYSTEM

|                    |                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Coating system     | Two coats for normal use: one solvent-free primer coat and one solvent-free topcoat. Apply the topcoat at 2 m <sup>2</sup> /L to achieve at least 500 microns DFT. |
| Mixing / induction | Mix resin and hardener at 14:5 by volume. Wait 20 minutes after mixing before application.                                                                         |
| Application tools  | Brush, rubber squeegee or hand roller. Use a spiked roller to release entrapped air bubbles.                                                                       |
| Thinning           | Apply without thinner. The source allows specially formulated epoxy thinner if needed; confirm suitability with the supplier.                                      |
| Cleaning           | Use a suitable thinner.                                                                                                                                            |

**Working-time discrepancy:** The mixing instructions state not to use material more than 1 hour after mixing, while a separate pot-life entry states 3 hours. Confirm the correct working time before application; do not assume the longer period applies.

## DRYING AND CURING

|                       |                           |
|-----------------------|---------------------------|
| Touch dry / tack-free | 3-5 hours at 25°C         |
| Recoating             | Overnight                 |
| Full hardness         | After 7 days              |
| Shelf life            | 12 months from production |

## PRECAUTIONS AND SAFETY

Handle with care. Keep away from heat, sparks and flame, and use with appropriate ventilation. Take precautions against fire and explosion. If product enters the eyes, flush with plenty of water for at least 15 minutes. Wash skin contact thoroughly with soap and water. Keep out of reach of children.

## PRODUCT INFORMATION

**Warranty:** The source states five years, conditional on correct application. Confirm applicable terms with the supplier.

Technical values are reproduced from the supplied product sheet for reference. Application conditions are outside the manufacturer's control and product data may change without notice. The source contains differing revision dates and the working-time inconsistency noted above.