

DUOPRIME U200

(100% solids primer)



DESCRIPTION

DUOPRIME U200 is a two component, solvent free, epoxy primer for use on concrete, including outstanding adhesion to damp concrete.

DUOPRIME U200 uses premium epoxy resins and curing agents to produce a low-viscosity, clear, yet tough and durable product.

FEATURES

- Non-hazmat – solvent free, non-corrosive, non-flammable product for cheaper, easier and faster transport
- Potable water approved under AS/NZS 4020
- Field-friendly – mix ratio tolerance and long storage life, combined with surface/moisture tolerance gives a truly field-friendly product
- Good tolerance to low temperatures
- Can be applied onto dry, damp or even wet surfaces, as it is completely moisture tolerant
- Clear formulation does not impact on colour of underlying aggregate or coating
- Clear, yet very durable
- Low viscosity, slow curing product ideal for sealing applications as it allows deep penetration to give a thorough seal
- Solvent free means product can be applied in confined spaces with no need for ventilation equipment
- 100% solids – means long shelf life (do not have to use all at once) and no shrinkage in the coating film

PRODUCT

You do not have to mix the entire product at once as shelf life is very long. Mix DUOPRIME U200 at the stated ratio of 3:1. Add Part B to Part A and mix with a power agitator until a consistent appearance/colour is obtained.

TECHNICAL INFORMATION

Colour	Clear Amber
Mix Ratio by volume (Part A : Part B)	3 : 1
Touch Dry Time at 25°C (hrs)	3- 4
Solids Content (%)	100
Theoretical Coverage 1 Litre	4- 6m ²
Recommended Dry Film Thickness (DFT)(mm)	0.1- 0.2

SURFACE PREPARATION

New concrete surfaces should be allowed to cure for a minimum of 28 days. Old, damaged and/or heavily contaminated concrete surfaces should be degreased with an appropriate agent/detergent and repaired with DUOPRIME U200 prior to surface preparation.

Diamond grind, shot-blast or water-blast (3000 psi) is required to obtain a clean, granular feel. Properly prepared surfaces should be structurally sound and free of laitance, efflorescence, glaze and any loose or bond-inhibiting curing compounds. Ensure prepared surface is clean and dust-free again if there is a delay between preparation and application.



APPLICATION

DUOPRIME U200 is best applied by siphon or pressure pot spray equipment. Airless spray equipment may be used, provided a minimum of 100µm DFT is applied.

CURE TIME

Cure time is based on 100µ- 200µ dry film thickness.

Excessive film thickness, cooler temperatures or poor ventilation may require longer cure times resulting in premature failure.

	50 – 60°F (10 – 15°C)	70 – 80°F (21 – 27°C)	90 – 100°F (32 – 38°C)
Surface Dry	12 – 20 hrs	6 – 10 hrs	3 – 5 hrs
Hard Film	36 – 44 hrs	18 – 22 hrs	9 – 11 hrs
Recoat (min)	36 – 44 hrs	18 – 22 hrs	9 – 11 hrs
Recoat (max)	90 hrs	45 hrs	23 hrs
Full cure	16 days	8 days	4 days

CLEAN UP

Clean all mixing and application equipment immediately after use with MEK, Acetone or Methylated Spirits.

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