

# 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 <sup>2</sup>
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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## DUROTECH INDUSTRIES



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