



## TECHNICAL DATA

### DURAPRIME AEP Adhesion Enhancing Primer

<b>DESCRIPTION</b>	This is a two component epoxy primer formulated to achieve maximum adhesion to porous, mineral and polymer substrates. This product exhibits both organic and inorganic reactivity, allowing the epoxy to chemically react with inorganic substrates, giving enhanced adhesion characteristics.
<b>USES</b>	Priming concrete, ceramics, glass and wood.
<b>COLOUR</b>	Clear
<b>FEATURES</b>	Excellent substrate wetting characteristics. Extended pot life with relatively short film cure time. Chemically bonds to siliceous and most polar compounds. Cures well in humid and cold conditions. Ideal primer for polyurethane and polyurea coating systems.

#### SURFACE PREPARATION CONCRETE:

1. Contaminated surfaces should be cleaned with Uroxsys Chemical Cleaner S to remove organic soil and rinsed with clean water.
2. Captive abrasive blast (Blastrac) for best results.
3. Alternatively, proceed as follows:
  - (a) Old concrete, where the surface has aged, should be planed or ground to remove the degraded layer.
  - (b) New surfaces (minimum 21 days) should be well etched to remove surface laitance with Uroxsys CCA Cleaner, or 10-15% hydrochloric acid solution (commercial hydrochloric acid is supplied at 33%). Properly prepared surfaces should be similar in texture to 80 grit sandpaper.
4. Thoroughly wash with clean water to remove reaction by-products and scrub to remove loosened materials. Water blasting is preferred.
5. Allow surfaces to dry.

#### CERAMICS AND GLASS:

1. Clean contaminated surface with Chemical Cleaner S and wash off residue with clean water.
2. Etch glass or glazed ceramics using either 10% hydrofluoric acid or light sandblasting to produce a matted gloss-free surface.

## PREVIOUSLY COATED SURFACES:

Remove contaminants by using appropriate cleaners before sanding to provide a keyed surface. Selection of cleaner depends on nature of contaminants, and could include Chemical Cleaner S, sugar soap, industrial detergents or cleaners, alkaline cleaners or solvents.

## APPLICATION

Thoroughly mix resin and hardener. Apply to dry substrates, using a short nap roller, wetting out the surface thoroughly and ensuring a continuous film is formed. Porous substrates may require several wet on wet applications with the first coat thinned up to 20% with Uroxsys Solvent S23A to aid penetration.

## TECHNICAL DATA

2 component:	Thoroughly mix in the ratio of: 4 parts resin to 1 part hardener <u>by Volume</u> 4.55 parts resin to 1 part hardener <u>by Weight</u>
Coverage Rate:	6m <sup>2</sup> /l at 150 microns
Dry Time @ 20°C:	6-8 hours
Recoat Time:	8 - 48 hours. Some Uroxsys toppings can be laid onto wet AEP primer. Check with Uroxsys for specific recommendations.
Shelf Life:	One year in closed container.
Clean Up:	Clean up with Chemical Cleaner S.

## CAUTION:

The cure of epoxy products can be affected by moisture, which reacts with the hardener to give a surface "bloom".

This blooming can give a permanent loss of gloss, less than normal chemical and physical resistance at the surface, and affect inter-coat adhesion if over-coated.

Take all reasonable steps to minimise the risk of water, moisture, or excessive humidity exposure during the cure period (which may be several days in cold temperatures).

## SAFETY DATA:

Wear protective clothing. Gloves are essential. Avoid contact with exposed skin. Before commencing work, apply barrier cream.

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