

Urochem 340 Resin

TWO-PART, LOW VISCOSITY EPOXY RESIN

DESCRIPTION

Urochem 340 Resin is a two-part, low viscosity epoxy resin.

TYPICAL APPLICATIONS

Urochem 340 Resin should only be used by professionals.

Binder for self-leveling mortars.
Can be used on low to medium absorbent substrates.

ADVANTAGES

- Low viscosity.
- Excellent bond strength.
- Excellent penetrating properties.
- Easy to apply.
- High tensile, flexural, and compressive strength.
- Excellent adhesion to steel and concrete.

SURFACE PREPARATION

Concrete surfaces should be clean sound and dry, free from laitance, paint, oil, grease, shutter oil and any residual curing compounds.

MIXING

Do not split kits. Mix with a slow speed drill fitted with a flat paddle. Add the contents of the activator to the base component in a suitable mixing vessel, ensuring complete transfer of both resin components. Mix for one minute before using as required.



Urochem Trading (Pty) Ltd

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TYPICAL PROPERTIES – AS PER UROCHEM QC

The below properties are based on in-house testing methodologies.

Appearance	Clear liquid
Viscosity @ 25°C (cP)	80
Amine Value (mg KOH/g)	360
Specific Gravity @ 25°C	1.04
Flash Point (closed cup) (°C)	110
Equivalent Wt/{H}	83

TYPICAL HANDLING PROPERTIES

Mixed Viscosity @ 25°C	860
Gel time (min) (150g mix @ 25°C)	32
Gel time (min) (150g mix @ 10°C)	106
Thin Film Set Time @ 25°C	3
Thin Film Set Time @ 10°C	8
Thin Film Set Time @ 4.4°C	10
Peak Exotherm (150g mix @ 25°)	121

TYPICAL PERFORMANCE

7 DAY CURE @ 25°C

Glass Transition Temp (°C)	47.8
Compressive Strength @ yield (N/mm²)	80.7
Compressive Modulus (N/mm²)	2089
Tensile Strength (N/mm²)	72.4
Tensile Modulus (N/mm²)	4.3
tensile Elongation @ break (%)	2.3
Flexural Strength (N/mm²)	135.1
Flexural Modulus (N/mm²)	5426.2
Hardness (Shore D)	85
60° Specular Gloss @ 25°C	126
60° Specular Gloss @ 4.4°C	92

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