

TECHNICAL DATA SHEETS (TDS)

ULTRA PRIMER

100% Solids general purpose (GP) epoxy primer for concrete and masonry surfaces

DESCRIPTION

UltraKote's Ultra Primer is a 100% solids two-pack, high-performance epoxy primer specially designed for priming concrete and masonry substrates. Formulated for superior adhesion, moisture tolerance, and chemical resistance, this primer provides an ideal foundation for subsequent epoxy coatings in commercial and industrial settings. Its low-viscosity formula promotes excellent substrate penetration and strong mechanical bonding, enhancing coating performance and longevity.

CHARACTERISTICS AND BENEFITS

- Excellent adhesion to concrete and masonry
- Moisture-resistant and durable (up to 5%)
- Low VOC formulation
- Easy to apply by brush, roller or spray
- Suitable for internal and external applications
- VOC compliant to Australian Green Building Codes

APPLICATIONS

- Warehouses and storage facilities
- Commercial flooring
- Parking structures
- Industrial workshops
- Garages and driveways
- Manufacturing and pharmaceutical plants

USES

- Concrete floor priming
- Masonry wall sealing
- Base coat for epoxy systems
- Damp surface primer up to 5% moisture
- Substrate preparation for flake, metallic and solid colour finishes

PROPERTIES (MIXED SYSTEM)

Appearance (Mixed): Pale yellow to amber liquid

Odour: Mild chemical / amine

Mix Ratio (A:B by volume): 2:1 (Part A : Part B)

Pot Life: ~30-45 mins @ 25°C

Touch Dry Time: 2-4 hours @ 25°C

Recoat Window: 6-24 hours @ 25°C (varies with humidity)

Full Cure: 7 days @ 25°C

Solids by Volume: >100%

Coverage: 5 - 7 m²/L @ 150 µm DFT

Flash Point: >70°C

Shelf Life: 18 months (sealed container)

APPLICATION

Ensure the concrete substrate has cured for a minimum of 21 days. Surface must be structurally sound, dry, and free from laitance, dust, oil, grease, and coatings.

Surface Preparation:

- Mechanically prepare surface via diamond grinding or shot blasting
- Acid etching is acceptable where mechanical prep is not feasible
- Prime immediately after preparation to avoid contamination

Mixing & Application:

1. Stir Part A thoroughly.
2. Add Part B and mix using a power mixer for at least 2-3 minutes.
3. Apply using brush, roller or spray within pot life.
4. Avoid application below 5°C or in high humidity (>85%).
5. Clean tools immediately with solvent before curing begins.

PACKAGING

Supplied as a 12L kit:

- 8L Part A (Epoxy Resin)
- 4L Part B (Hardener)

Mix Ratio: 2 Parts A to 1 Part B by volume

CLEANING

Use epoxy-safe thinners to clean all equipment immediately after use. Cured material can only be removed mechanically.

SHELF LIFE

Store in a cool, dry environment in unopened original containers. Shelf life is 12 months from the date of manufacture.

PRECAUTIONS

Refer to the Material Safety Data Sheets (MSDS) for Part A and Part B prior to use. Ensure adequate ventilation and wear appropriate PPE including gloves, goggles, and respiratory protection where required.

VERIFIED DISTRIBUTORS OF ULTRAKOTE

Sydney Industrial Coatings

<https://www.sydneyindustrialcoatings.com.au>

Epoxy Warehouse Pty Ltd

www.epoxywarehouse.com.au