



TECHNONICOL ULTRACEM 2K

Two-component elastic cement waterproofing membrane

TECHNONICOL ULTRACEM 2K is a two-component polymer modified cementitious waterproofing system. It is designed for concrete structures, cementitious surfaces. The product is easy to apply using a stiff brush, roller, trowel or by spraying. After quiring it forms reliable waterproof coating with good abrasion resistance and optimal flexibility. It contains no VOC and is suitable for outdoor and indoor application.

AREA OF APPLICATION:

- Waterproofing of basements, concrete roofs, terraces, balconies, bathrooms and other wet areas.
- Waterproof coating of retaining walls and lining for concrete structures.
- Flexible coating of prefabricated structures, micro-cracked concrete substrates, screeds, plasters.
- Waterproofing swimming pools and tanks for water containment.

ADVANTAGES:

- Excellent water resistance.
- High flexibility.
- Excellent adhesion.
- Applicable by spraying.
- Applicable on various substrates (concrete structures; cementitious plasters, screeds and boards; stone surfaces).

SURFACE PREPARATION:

- The substrate should be sound, free of dust, any contaminations, efflorescence, and offcuts itself, paints, waxes, oils, and rust.
- All irregularities that can cause consistent thickness changes or difficulties in application must be eliminated.
- Clean well and remove all incoherent parts, restoring with polymer modified mortar.
- Any structural cracks and potholes shall be repaired with a suitable repair mortar.
- The surface to be treated should be pre-saturated with water prior to application. However, prior to application any standing water shall be removed.
- Substrate temperature: +5 °C to +35 °C.

PRODUCT MIXING:

- Pour the liquid component 1 part into a clean pot with suitable capacity and then add a pack of powder 3 parts by weight.
- Continue to mix with a low-speed mixer until a smooth homogenous and lump-free mixture is obtained, taking care not to incorporate air into the mixture.
- DO NOT ADD WATER TO DILUTE THE MATERIAL. (Avoid mixing partial quantities of the two components).

APPLICATION METHOD:

- It is recommended to apply TECHNONICOL ULTRACEM 2K in two or three coats. Apply subsequent coats perpendicular to the previous layer.
- At all corners and other joints After the application of the first coat and whilst the coating is still wet, embed a glass fiber mesh/scrim cloth for added reinforcement.
- The second coat shall be applied after the first coat dries off completely (around 20-40 minutes or longer depending on site conditions, the surface must be touch-dry).
- In excessively dry, ventilated, or hot days and climates, protect the product applied by drying it with wet hessian cloth or dampening the product perfectly by mist spraying water onto the substrate of the application. Do not apply in full sun or in the presence of strong wind and / or overheated substrates.
- The coating will achieve its full mechanical properties within 7 days.
- Clean the tools immediately before drying the product.

MAIN CHARACTERISTICS:

Properties	Performance	Test method
Appearance	Grey/milky white	Visual
Mixed density, kg/l	1.96±0.02	ASTM D1475
Pot life, minutes	45	-
Tensile strength, MPa	>1.0	ASTM D412
Elongation, %	30±10%	ASTM D412
Adhesion strength to concrete, MPa	>1.4	BS EN 14891
Crack bridging, mm	>0.75	BS EN 14891
Crack bridging with mesh reinforcement, mm	>1.0	BS EN 14891
Water impermeability (at 150 kPa 7 days)	No leakage	BS EN 14891
Shore A hardness	80	ASTM D2240
Application of second layer after, hours	>4	-
Full cure, days	7	-

CONSUMPTION:

1.5 - 2.0 kg/m² (corresponding to a thickness of 0.7 mm – 1.0 mm): External walls and wet areas.

2.5 - 3.5 kg/m² (corresponding to a thickness of 1.3 mm – 1.8 mm): Basement walls, swimming pools, and roofs.

STORAGE:

The product in its original sealed packaging, kept in a dry and protected place, sheltered from high and low temperatures, is kept for 24 months.

PACKAGING INFORMATION:

- 8.0 kg/set (A+B packed in pail)
- 20.0 kg/set (A+B packed in pail)
- 33.5 kg/set (A:8.5 kg/pail; B:25 kg/bag)

HEALTH & SAFETY:

- Due to alkaline nature may cause irritation, mild burns, or allergic reactions.
- When conducting works protective clothing such as gloves and goggles are required.
- Treat any splashes to the skin or eyes immediately with fresh water.
- Should any of the products be accidentally swallowed, call for medical assistance immediately.
- PROFESSIONAL USE ONLY.

DISCLAIMER:

- Technical specifications are determined under standard laboratory conditions. Actual values may vary depending on temperature, humidity, substrates, application methods, and workmanship.
- TECHNONICOL shall not be held liable for any damages resulting from misuse, improper application, or combination with incompatible materials or systems.
- Due to constant product improvements, TECHNONICOL company reserves the right to change above values without advance notice. The technical data posted on the website www.technonicol.vn takes precedence.