

# ULTRABOND HACK FREE

Premium Polymer Bonding Agent for Plaster & Concrete



## TECHNICAL DATA SHEET

### DESCRIPTION:

Ultrabond Hack Free is a high-performance, single-component polymer bonding agent designed to improve adhesion between plaster/mortar and both new and existing concrete or masonry. Its advanced polymeric film provides:

- Exceptional bond strength
- Enhanced durability
- Reduced rebound loss

It is suitable for a wide range of applications including interior and exterior plastering, rendering, dash coats, guniting, shotcrete, and bonding new concrete to old.

### TECHNICAL SPECIFICATIONS:

PARAMETER	TYPICAL VALUE
Appearance	Milky White Liquid
Specific Gravity @25°C	1.02 ± 0.05
pH	7 - 9
Solids Content (by Weight)	20 - 25%
Bond Strength (pull-off)*	≥ 1.5 MPa
Coverage	5-6 m <sup>2</sup> /L (Slurry) / 6-6.5 m <sup>2</sup> /L (Neat)
Application Temperature	5°C - 45°C
Pot Life (When mixed with Cement)	15 - 20 min
Tack Time	5 - 15 min

\*Values are indicative: site trials recommended to confirm suitability.

## Features & Benefits

- Strong adhesion to concrete, brick, blockwork, and masonry
- Non-corrosive and chloride-free, making it safe for reinforcement steel
- Minimizes cracking, delamination, and rebound loss during guniting
- Improves the strength and durability of plaster
- Water-based, eco-friendly, and simple to apply using brush, roller, or spray
- Ready-to-use formulation - no complex mixing required

## AREA OF APPLICATION

- Bonding plaster or mortar to concrete, brickwork, or blockwork
- New-to-old concrete applications (slabs, beams, columns, patch repairs)
- Dash coat or rendering prior to plaster or screed
- Primer for guniting, shotcrete, or tile fixing on concrete
- Bonding layer before cementitious overlays

## METHOD OF APPLICATION

### SURFACE PREPARATION

- Remove loose particles, laitance, dust, oil, grease, and curing agents.
- For old concrete, scrub, water-jet, or mechanically roughen to expose a sound surface.
- Dampen the substrate to SSD (Saturated Surface Dry) condition - avoid standing water.

### APPLICATION

- Stir Ultrabond Hack Free thoroughly before use.
- Apply neat as a primer, or prepare a slurry by mixing 1 part Ultrabond Hack Free : 1 part fresh cement (by volume).
- Apply bonding coat using brush, roller, or spray.
- Allow the coat to become tacky (approx. 5-15 min).
- Place plaster, mortar, screed, or new concrete while the coat remains tacky.
- For guniting/shotcrete, apply a thin primer layer to reduce rebound loss and improve adhesion.

### STORAGE & PACKAGING INFORMATION



#### STANDARD PACK SIZE

20 L HDPE containers



#### SHELF LIFE

12 months in original unopened containers



#### STORAGE INSTRUCTIONS

Keep sealed in a cool, dry place away from direct sunlight

### HEALTH & SAFETY INFORMATION

- Wear protective gloves and goggles while handling.
- Avoid contact with skin and eyes; rinse immediately with clean water if exposed.
- If swallowed, seek medical advice immediately- do not induce vomiting.
- Dispose of empty containers and residues according to local regulations.
- Water-based and non-flammable.

**Disclaimer:** The information provided is based on laboratory data and field experience. Actual performance may vary depending on site conditions and workmanship. Users should conduct representative trials before large-scale application.

**Ultrabond Hack Free - For stronger, longer-lasting bonds between plaster, mortar, and concrete.**