

HOMESURE wSHIELD ACRY BOND MAX

Premium Acrylic Waterproofing & Bonding

HOMESURE wSHIELD ACRY BOND MAX is a single-component aqueous dispersion of premium-quality acrylic co-polymer, specifically formulated for modified Portland cement compositions. When added to mortar, it significantly enhances its physical strength and adhesion to old brick, cement, or any masonry work. The formulation is free from film-forming aids, solvents, and plasticizers, ensuring superior performance.

INDICATIVE TECHNICAL DETAILS

Nature	: Bluish milky white liquid
Specific gravity @ 27°C	: 1.00 ± 0.05
pH	: 8 – 10
Solid content	: $40 \pm 2\%$
Initial setting time	: 24 hours
Initial curing time	: 72 hours (with moist cloth or water spray)
Complete curing time	: 28 days (under water immersion)
Compatibility	: Compatible with fibre reinforcement cloth
Flammability	: Non-flammable

APPLICATION AREAS

- Heavy-duty floors and high concrete bonding applications.
- Repairs to pre-cast structural members.
- Thin sets, terrazzo, stucco, and bonding slurries.
- Bridge decks and highway repairs.
- Architectural panelling.
- Toppings, patch repairs, and levelling courses.
- Resistance to mild chemicals, grease, alkaline, and acid exposure.
- Repairs utilizing spray or fill coats.

COVERAGE

35 – 40 sq. ft. per 2 coats to achieve a 1 mm Dry Film Thickness (DFT).

AVAILABLE PACKAGING

1 kg, 5 kg, 10 kg, 20 kg pails & 50 kg, 200 kg barrels.

FEATURES AND BENEFITS

- ★ Best suited for waterproofing on roofs, tank linings, etc., due to its low permeability.
- ★ Enhances bonding strength between old and new concrete or masonry work.
- ★ Reduces cracking by increasing mortar flexural strength.
- ★ Increases wear resistance for rubber-wheeled traffic.
- ★ Provides high impact resistance for mortar applications.
- ★ Suitable for tanks due to its food-grade properties.
- ★ Enhances durability under freeze/thaw cycling.

MIXING RATIO

For Coating – ACRY BOND MAX: Cement (1:2) by weight
For Flooring Screeds – 18-20% by weight of cement quantity
For Cement Paints – 3-4 liters per 50 kg bag of cement
For Bonding Coat – Cement: ACRY BOND MAX (1:1) by weight
For Repair Mortars – 15-20% by weight of cement for RCC members

SUBSTRATE REQUIREMENTS

Quality: The substrate must be structurally sound, free from contaminants, loose particles, oil, or grease. It must be structurally adequate for bonded applications.

Preparation: Use mechanical preparation techniques such as water jetting, needle guns, blast cleaning, or scrubbing. Pre-wet the substrate to achieve a saturated surface-dry condition before application.

APPLICATION CONDITIONS

Substrate Temperature: Minimum $+5^{\circ}\text{C}$ / Maximum $+35^{\circ}\text{C}$

SHELF LIFE & STORAGE INSTRUCTIONS

- ⊕ 18 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from $+5^{\circ}\text{C}$ to 40°C
- ⊕ Store in dry and well-ventilated place away from heat source or direct sunlight.

APPLICATION PROCEDURE

A. Brush Coating Application

- Prepare the surface and pre-wet it with adequate water.
- Allow the surface to dry for at least an hour.
- Mix 2 kg of Ordinary Portland Cement (OPC) with 1 Liter of ACRY BOND MAX, ensuring a homogenous mixture free of lumps and air bubbles.
- Apply the first coat using a brush and allow it to dry for 2 hours before applying the second coat. A minimum of two coats is recommended

B. Cement Paint Admixture

- Mix 3-4 Liters of ACRY BOND MAX with 50 kg of cement paint to achieve a uniform consistency.
- Apply using a brush.
- For enhanced results, use reinforcement.
- Allow 2 hours of drying time before applying the second coat.
- Increases the coverage capacity of cement paint by 20-25%.

C. Mortar Placement

- For patching applications, spread the mortar with a trowel or square-tipped shovel to a thickness matching the surrounding concrete.
- Finish by hand troweling. For large floor areas, use screed strips as guides in combination with vibratory screeding to level the surface.
- Compact and finish by hand or machine trowel.

PRECAUTIONS

- Recommended dosage to be followed to achieve desired results.
- When using as a waterproofing coating, apply on a saturated surface-dry cementitious substrate
- Reinforcement rods and other sharp materials should not be dragged over the ACRY BOND MAX membrane, as this can puncture the same.
- ACRY BOND MAX system must be applied between temperature 5 - 35° C.

HEALTH & SAFETY INFORMATION

- ✓ Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products.
- ✓ Use rubber hand gloves & safety goggles, while using product
- ✓ Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water.
- ✓ Ensure adequate ventilation and avoid inhalation of vapour
- ✓ Spillages of ACRY BOND MAX can be removed with water. Do not use solvent to clean the contacted area.
- ✓ Keep out of reach of children.

CLEANING

Clean tools and equipment with water before the material hardens.