

HOMESURE wSHIELD ACRY BOND PRO

Advanced Acrylic Polymer for Waterproofing & Bonding

HOMESURE wSHIELD ACRY BOND PRO is a high-quality acrylic polymer blended with plasticizers and selected fillers, designed for superior waterproofing and bonding applications. When diluted with water, it forms a gauging solution that enhances the properties of cementitious mixes. When mixed with Portland cement, it significantly improves mechanical properties such as adhesion, compressive strength, flexural strength, and impact resistance. As a coating, it enhances the durability and flexibility of cementitious surfaces.

INDICATIVE TECHNICAL DETAILS

Nature	: Bluish milky white liquid
Specific gravity @ 27°C	: 1.00 ± 0.05
pH	: 8 – 10
Solid content	: $33 \pm 2\%$
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 reinforcement cloth
Flammability	: Non-flammable

APPLICATION AREAS

Ideal for waterproofing basements, terraces, sunken areas, water tanks, swimming pools, bridge decks, industrial floors, balconies, tunnels, silos, and more. It is also used for repairing concrete and masonry walls and as a protective agent against corrosion and efflorescence. Additionally, it enhances cement paint performance, increasing waterproofing coverage by 20-25%, and extending the paint's lifespan. It serves as a bonding agent between old and new concrete.

COVERAGE

20 – 25 sq. ft. per 2 coats to achieve a 1 mm Dry Film Thickness (DFT).

FEATURES AND BENEFITS

- ★ Enhances bond strength and ease of application.
- ★ Increases resistance to wear under rubber-wheeled traffic.
- ★ Low permeability ensures effective waterproofing for tanks and linings.
- ★ Reduces cracking due to improved flexural strength.
- ★ Enhances durability under freeze/thaw cycles.
- ★ Provides superior impact resistance for repair mortars.

AVAILABLE PACKAGING

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

MIXING RATIO

For Coating – ACRY BOND PRO: 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 PRO (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 scrubbling. 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 PRO, 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 PRO 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%.

CLEANING

Clean tools and equipment with water before the material hardens.

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 PRO membrane, as this can puncture the same.
- ACRY BOND PRO 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 PRO can be removed with water. Do not use solvent to clean the contacted area.
- ✓ Keep out of reach of children.