

HOMESURE wSHIELD ACRY BOND CLASSIC

Acrylic Polymer for Waterproofing & Bonding

HOMESURE wSHIELD ACRY BOND CLASSIC is a high-performance, single-component acrylic polymer, engineered for superior waterproofing, bonding, and durability enhancement in cementitious applications. It is a milky-white liquid containing high-quality plasticizers and select fillers, designed to significantly improve the mechanical properties of cement-based systems. When combined with Ordinary Portland Cement (OPC), it enhances adhesion, flexural strength, compressive strength, and impact resistance while ensuring excellent waterproofing.

INDICATIVE TECHNICAL DETAILS

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|-------------------------|--|
| Nature | : Bluish milky white liquid |
| Specific gravity @ 27°C | : 1.05 ± 0.05 |
| pH | : 8 – 10 |
| Solid content | : 25 ± 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

Waterproofing: Basements, terraces, sunken areas, water tanks, swimming pools, silos, tunnels, reservoirs, bridges, and more.

Concrete Repairs: Structural repair of RCC members, pre-cast elements, and masonry walls.

Protective Coating: Prevents corrosion, efflorescence, and degradation of concrete surfaces.

High-Performance Flooring: Heavy-duty industrial floors, parking decks, bridge decks, traffic aprons, and mechanical rooms.

Bonding Agent: Enhances adhesion between new and existing concrete layers.

PACKAGING

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

FEATURES AND BENEFITS

- ★ Enhances adhesion and ease of application.
- ★ Provides excellent waterproofing with low permeability.
- ★ Minimizes cracking by increasing flexural strength.
- ★ Exceptional durability in freeze-thaw conditions.
- ★ Superior resistance to mechanical wear and impact.
- ★ Increases the lifespan and performance of cement-based coatings.
- ★ Improves bonding between old and new concrete.
- ★ Free from solvents, plasticizers, and film-forming aids (environmentally safe)

MIXING RATIO

For Coating – ACRY BOND CLASSIC: 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 CLASSIC (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°C / Maximum +35°C

COVERAGE

- ❖ 18-20 sq. ft. per 2 coats to achieve 1 mm DFT (Dry Film Thickness).

APPLICATION PROCEDURE

A. Brush Coating Application

Surface Preparation: Ensure the substrate is structurally sound, clean, and free from contaminants, loose particles, oil, or grease.

Pre-wetting: Saturate the surface with water and allow it to dry for at least an hour.

Mixing: Combine 2 kg of OPC with 1 liter of ACRY BOND CLASSIC, ensuring a lump-free, homogeneous mix.

Application: Apply the first coat using a brush and let it dry for 2 hours before applying a second coat.

B. Cement Paint Admixture

Mixing: Add 3-4 liters of ACRY BOND CLASSIC to 50 kg of cement paint, stirring to achieve a uniform consistency.

Application: Apply using a brush or spray system.

Reinforcement: Use reinforcement mesh for enhanced performance.

Drying Time: Allow **2 hours** of drying before applying a second coat.

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 Classic membrane, as this can puncture the same.
- ✚ Acry Bond Classic 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 Classic can be removed with water. Don't use solvent to clean the contacted area.
- ✓ Keep out of reach of children.

CLEANING

Clean tools and equipment with water before the material hardens.

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°C to +40°C
- ✚ Store in dry and well-ventilated place away from heat source or direct sunlight.