

### 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.

#### 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)

#### INDICATIVE TECHNICAL DETAILS

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.

#### 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).

#### PACKAGING

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

### 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.

### 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 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.

### 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.