

Acricoat WB

Concrete Curing and Sealing Compound

Description

Acricoat WB is a high solids, water-based, non yellowing acrylic curing and sealing compound. This proprietary formulation forms a tough acrylic film to effectively cure fresh concrete and protect older concrete. Acricoat WB creates a medium gloss membrane which remains clear throughout its service life.

Uses

Interior concrete where a curing compound that meets ASTM C 1315 standards is desired, but where the fumes of a solvent based product would be objectionable.

Exterior concrete curing where a non-yellowing formulation is preferred and water-based clean-up is desired.

Enhance the color and provide a uniform appearance of dry shake hardened floors, integral colored concrete and acid stained concrete while curing and sealing the surface.

Advantages

- Protects concrete surfaces from de-icing chemicals, salts, fertilizers, grease, oil, mild acids, alkalis and detergents.
- Minimizes spalling due to freeze thaw cycle exposure, hairline crack checking, premature cracking and dusting
- Seals out most construction dirt and stains and prevents mortar, plaster and concrete droppings from bonding.
- Low VOC
- Medium gloss

Technical Data

- VOC Content 167gm/L
- USDA approved, when cured, for incidental contact
- Solids 25% minimum
- Moisture retention (ASTM C-156) 0.035 gms/cm²
- Moisture Vapor Transmission (ASTM D1653) <0.5 mgs/cm² per mm in 24 hours
- Flash point None
- Drying time @ 70°F (21°C) and 50% relative humidity
 - Hard film 2 Hours
 - Light foot traffic 8 hours
 - Maximum Hardness 7 days
- ASTM C-1315, Type I & II, Class A and B, Standard Specification for Liquid Membrane-forming Compounds for Curing and Sealing Concrete
- ASTM C-309, Types I or II Class A and B, Standard Specification for Liquid Membrane-forming Compounds for Curing Concrete
- AASHTO M-148, Type 1 & 1D, Class A & B
- Complies with National Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

Packaging

Acricoat WB is available in 5 US gallon pails and 55 US gallon drums

Coverage

Coverage is dependant upon surface texture and porosity

Curing	300-400ft ² /gal	7-10 m ² /L
Sealing, hardening and dustproofing		
1st Coat	300-400-ft ² /gal	7-10 m ² /L
2nd Coat	400-600 fr ² /gal	7-15 m ² /L

Directions

Mixing: Do not dilute. Clear Acricoat WB is packaged ready to use and only requires mild stirring to use.

Application: Use a short nap roller or a low pressure, airless sprayer equipped with a fan nozzle tip. Hold spray tip 6-8 inches (15-20 cm) from the surface of the concrete. Apply uniformly leaving no pinholes or gaps. Apply second coat after the first has dried to the touch.

Curing: Apply Acricoat WB after all bleed water has dissipated and application will not mar surface. The optional second coat should be applied at right angles to the first coat to enhance moisture retention while providing additional protection from de-icing salts., oils and greases.

Formed Concrete Walls: If walls are not to receive further treatment, apply immediately after stripping forms or after rubbing procedures at a rate of 45 ft²/gal (11m²/L).

In-Place Concrete: Clean thoroughly with detergent and high pressure water removing any dirt, dust, curing or sealing membranes, paints, oil, grease or other contaminants that prevent adhesion.

Maintenance: Surfaces previously sealed with Acricoat WB should be cleaned and resealed every 3-5 years depending on traffic and exposure.

Clean Up: Before the material dries and hardens, clean tools and equipment with warm water and detergent.

Storage: Do not allow to freeze. Store tightly in sealed containers in cool, dry areas. Shelf life is two years from the date of manufacture.

Limitations

- Acricoat WB should not be used on surfaces to receive concrete overlays or toppings. Always test for compatibility penetration and adhesion.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing
- Do not use if ambient or surface temperature is below 50°F (10°C). For best results, condition material to at least 60°F (16°C) prior to application in cool temperatures.
- Clear curing and sealing compounds may darken or highlight the subtle color variations naturally present in concrete.

Caution

May cause skin and eye irritation. Do not take internally. Keep away from children.

All label precautions and the MSDS must be fully understood before using this product. Ensure that you are using the most recent technical data sheet for instructions.

Proper application is the responsibility of the user. Applied Technologies can only make technical recommendations and cannot provide quality control on the jobsite. All label directions and the MSDS must be understood before beginning application procedure. This product is formulated and labeled for industrial and commercial use only.

Warranty

Applied Technologies warrants that for a period of 12 months from the date of manufacture or for the duration of the published shelf life, whichever is less, that at the time of shipment, the product is free of manufacturing defects and conforms to published specifications in force on the date of acceptance by "the company" of the order. Applied Technologies shall only be held liable under this warranty if the material has been stored, used and applied in accordance with Applied's instructions in the products technical data sheet.

If Applied Technologies, in its sole discretion determines that the product breached the above warranty it will in its sole discretion replace the non-conforming product, refund the purchase price or issue a credit to the buyer of the product. The dollar value of Applied's liability and the buyer's remedy under this limited warranty shall not exceed the purchase price of the material in question. This is the only warranty extended by Applied. There are no other warranties including implied warranties of merchantability and fitness for a particular use and purpose. Applied specifically disclaims liability for any incidental, consequential or other damages including but not limited to, loss of profits or damages to a structure or its contents.

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