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ARMOR-COAT™ | EPOXY HARD-COAT & BONDING AGENT

LOW VISCOSITY EPOXY HARD-COAT - PUBLIC SPACE SAFE

TB – TECHNICAL BULLETIN

PRODUCT DESCRIPTION

ARMOR-COAT™ is a two component, easy to mix, 1A to 1B by volume medium viscosity epoxy and is specially formulated for use as a bonding agent. ARMOR-COAT provides superior adhesion to new or existing surfaces. It comes in clean, easy to use plastic pails.

ARMOR-COAT will bond to most concrete, wood, fiberglass and metal surfaces. ARMOR-COAT is resistant to moisture and most chemicals and solvents. ARMOR-COAT is also excellent for bonding and laminating or used as a filler/patching compound when mixed with our Polygem Thickening Agent .

WORKING FEATURES & BENEFITS

- ***Low Viscosity***
- ***No Voc's or Solvents***
- ***Self-Leveling***
- ***Won't Dissolve EPS Foams***

USES

For bonding new concrete to new or existing concrete, or asphalt surfaces. **ARMOR-COAT** is ideal for use for:

- ***Slipform Paving***
- ***Concrete Bonding***
- ***Crack Repair & Sealing***
- ***Epoxy Mortars & Grouts***
- ***Waterproofing Concrete Block***
- ***Hard Coat For Rigid Foam***

APPLICATION INSTRUCTIONS

ARMOR-COAT may be thickened with Polygem Thickening Agent. Read the directions that come with Polygem Thickening Agent for more information.

1. **Plan Your Project & Rate of Coverage-** Recommended minimum thickness is 1/8 in (3.1 mm).
2. **ARMOR-COAT** can be applied by pouring, squeegee, brush, roller or spraying.
3. Before mixing and applying, clean surface you intend to coat by wiping with denatured alcohol or a non-petroleum based solvent.
4. **Measure & Mix -** After pre-mixing Parts A and B, measure out equal parts 1 PART A to 1 PART B by volume. Combine and mix material thoroughly until "streak-free".
5. Apply & spread quickly to achieve maximum working time.

PACKAGING

ARMOR-COAT is available in a **2 Gallon** or **10 Gallon Kit**.

LIMITATIONS

DO NOT use on contaminated or oily surfaces.

DO NOT install when surface temperature is below 32°F (7°C) or above 85°F (32°C).

During damp and/or cool conditions epoxy will cure slower; protect finished work from any contact until fully cured.

CAUTIONS

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct skin contact of resins. Consult the Safety Data Sheet for full listing protective requirements.
- **ARMOR-COAT** may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- Keep out of reach of children.

UNIT SIZE & COVERAGE RATE @ 1/8 in. (3.1 mm)

2 Gallons 20.5 lb (9.3 kg)	**24 square ft.** (1.904 m^2)
10 Gallons 102.5 lb (46.43 kg)	**123 square ft.** (11.427m^2)

TECHNICAL SPECIFICATIONS

TYPICAL PROPERTIES | All values measured after 7 days at 73 °F (23 °C).

Mix Ratio: 1A:1B by volume | **Pot Life:** 70 min.* (100 gms)

Mixed Color: Gray (May vary) | **Mixed Viscosity:** 4,000 Cps.
A: Lt. Gray - Part B: Dk. Gray | Part A: 800 cps. - Part B: 23,500 cps.

Thin Film Working Time: 2 Hrs.* | **Cure Time:** 48 Hrs*

Shore Hardness: 86D | **Shelf Life:** 36 Mos.**

Compressive Strength: 11,500 psi ASTM D695
Compressive Modulus: 345,000 psi ASTM D695
Tensile Strength: 8,150 psi ASTM D638
Elongation @ Break: 2% ASTM D638
Specific Gravity: Mixed - 1.273g/cc ASTM D1475

*When mixed or cured at 73°F (23°C)

** From date of manufacture when stored at 73 °F (23 °C) in unopened containers.