



# Armor-Coat™ Epoxy Hard Coat | BONDING AGENT

Manufactured by Polygem | 5600 Lower Macungie Rd. | Macungie, PA 18062 | 630-231-5600 | Made in USA

**POLYGEM**  
polygem.com

## LOW VISCOSITY EPOXY HARD-COAT - PUBLIC SPACE SAFE

### PRODUCT DESCRIPTION

Armor-Coat™ Epoxy Hard 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 VOCs 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)

<b>2 Gallons</b>	20.5 lb (9.3 kg)	<b>24 square ft.</b> (1.904 m <sup>2</sup> )
<b>10 Gallons</b>	102.5 lb (46.43 kg)	<b>123 square ft.</b> (11.427m <sup>2</sup> )

### TECHNICAL SPECIFICATIONS

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

**Mix Ratio: 1A:1B** by volume

**Mixed Color:** Gray (May vary)  
A: Lt. Gray - Part B: Dk. Gray

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

**Shore Hardness:** 86 D

**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](#)

**Specific Volume:** Mixed - 21.60 cu in/lb [ASTM D792](#)

\*When mixed or cured at 73°F (23°C)