



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

ZOO POXY™
thinning epoxy

TB - TECHNICAL BULLETIN

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.
- 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".
- 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:** 24 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.

POLYGEM LIMITED WARRANTY:

Polygem warrants that during the shelf life of the product (as determined from the date of manufacture), the product will conform to the specifications provided in this technical bulletin. **POLYGEM MAKES NO OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** Neither any performance or other conduct, or any oral or written representation, statement or advice provided by Polygem or any of Polygem's distributors, agents, or employees will create a warranty, or in any way increase the scope or duration of this limited warranty. Polygem will have no warranty obligation if the product becomes defective, in whole or in part, as a result of: (i) the transportation of the product; (ii) any alteration or modification to the product by third parties; or (iii) improper handling or storage of the product (including improper handling or storage by third-party carriers or distributors).

072325PA | Data sheets are subject to change without notice.