

# ARMOR-COAT

## LOW VISOCSITY EPOXY HARD-COAT

Data Sheet Z-26

### 1. PRODUCT NAME

ARMOR-COAT  
EPOXY BONDING AGENT

### 2. MANUFACTURER

Polygem, Inc.  
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### 3. PRODUCT DESCRIPTION

ARMOR-COAT is a 100% solids medium viscosity epoxy specially formulated for use as a bond agent that provides superior adhesion to new or existing surfaces. ARMOR-COAT is an easy to mix 1 to 1 by volume ratio supplied in clean and 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 Thickening Agent .

#### Advantages

- LOW VISCOSITY
- NO VOC'S OR SOLVENTS
- SELF-LEVELING
- WON'T DISSOLVE BEADED FOAMS

#### Uses

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

- SLIPFORM PAVING
- CONCRETE BONDING AGENT
- CRACK HEALING/SEALING
- EPOXY MORTARS AND GROUTS
- WATERPROOFING CONCRETE BLOCK
- HARD COAT FOR FOAM

### 4. APPLICATION INSTRUCTIONS

- 1) ARMOR-COAT can be applied by pouring, squeegee, brush, roller or spraying.
- 2) Clean surface by wiping with denatured alcohol or a non-petroleum based solvent.
- 3) Thoroughly mix measured amounts of 1 part of Part-A Resin with 1 part of Part-B Hardener by volume until streak free. Scrape side and bottom of pail frequently during mixing to insure a good mix. Mix only enough that can be applied in 30 minutes.

#### Packaging

ARMOR-COAT is available 2 Gal. Kits, 4 Gal. Kits and 10 Gal. Kits.

#### Color

Gray

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 24 months.

#### Limitations

- Not for use on contaminated or oily surfaces.
- Do not install when surface temperature is below 60°F (7°C) or above 85°F (32°C).
- During damp and/or cool conditions epoxy will cure slower and 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 contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- ARMOR-COAT may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

### 5. TECHNICAL DATA

Performance Properties  
Test/Test Method Results

Pot Life @ 77°F (100 gms)	30 mins.
Thin Film Set-Time @ 77°F	2 hours
Cure time @ 77°F	2 days
Compressive ASTM D-695	11,500 psi (min)
Compressive Modulus	345,000 psi (min)
Tensile Strength ASTM D-638	8,150 psi (min)
Tensile Elongation ASTM D-638	2% (min)
Mix ratio by volume A/B	1:1
Mixed Viscosity	1,500 cps
Color Mixed	Gray

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