



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYGLAZE AR

Aromatic Urethane Topcoat

DESCRIPTION

Polyglaze AR is an aromatic, one component, liquid applied, moisture cured, urethane coating.

FEATURES

- ❖ Good Weatherability

TYPICAL USES

- ❖ Concrete
- ❖ Pedestrian Traffic
- ❖ Resealing Existing Urethane Surfaces
- ❖ Metal, Rubber, Wood, or Masonry Surfaces
- ❖ Plywood
- ❖ Vehicular Traffic

COLORS

Stone Grey, Tan

Custom colors are also available. Minimum order of 300 gallons (1136 liters). See color chart for special provisions.

PACKAGING

- 1 gallon (3.78 liter) can with vial of catalyst
- 5 gallon (19 liter) pail with ½ pint (0.24 liter) can of catalyst
- 55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

MIXING

Before application, mix Polyglaze AR using a mechanical mixer (Jiffy Mixer) at slow speeds or by hand for at least 5 minutes. Add Polyglaze AR Catalyst and continue mixing until a homogeneous mixture and color is obtained. Boxing of the material is recommended. Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened potlife.

APPLICATION

For best results use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Apply Polyglaze AR evenly over the entire deck. Application should be continuous to ensure a smooth and level coat with no lines or streaks to disfigure the deck.

Polyglaze AR may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze AR is used as a seal coat only, the surface must be clean, dry and primed with Polyprime 21 to achieve proper adhesion to the surface.

TECHNICAL DATA

Coverage Rate	See Guide Specifications
Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft.	11 ± 2 mils 280 ± 50 microns
Hardness, ASTM D-2240	90 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	400 ± 50 pli 70 ± 8.8 kN/m
Tensile Strength, ASTM D-412	2800 ± 200 psi 19.3 ± 1.4 MPa
Ultimate Elongation, ASTM D-412	375 ± 50%
Specific Gravity	1.17
Total Solids by Weight, ASTM D-2369	80.1%
Total Solids by Volume, ASTM D-2697	71.8%
Viscosity at 75°F (24°C)	1000 ± 500 cps
Volatile Organic Compounds, ASTM D-2369-81	2.08 lb/gal 248 gm/liter

CURING

At 70°F (21°C) and 50% relative humidity allow each coat to cure a minimum of 16 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on the finished surface.

Uncured Polyglaze AR is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. To accelerate cure Polyglaze Hardener may be used.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

Polyglaze AR has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Will fade, chalk and discolor over time.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

WARNING

This product contains Isocyanates and Solvent.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

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