



**POLYCOAT
PRODUCTS**
A Division of American Polymers Corp.

POLYGLAZE AR-SF
*Solvent Free Aromatic
Urethane Topcoat*

DESCRIPTION

Polyglaze AR-SF is an aromatic, single component, high solids, environmentally safe, liquid applied, moisture cured, urethane surface protection coating.

FEATURES

- ❖ Low Odor
- ❖ Solvent Free
- ❖ Good Weatherability
- ❖ Environmentally Safe
- ❖ Seamless Waterproofing Membrane

TYPICAL USES

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

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) pails 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-SF using a mechanical mixer (Jiffy Mixer) at slow speeds or by hand for at least 5 minutes. Add Polyglaze AR-SF Catalyst and continue mixing until a homogenous mixture and color is obtained. Boxing of 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 or notched trowel. Care should be taken not to cause air bubbles.

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

Polyglaze AR-SF 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-SF is used as a seal coat only, the

TECHNICAL DATA

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| Coverage Rate | See Guide Specifications |
| Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft. | 16 mils 406 microns |
| Hardness, ASTM D-2240 | 80 ± 5 Shore A |
| Tear Resistance, Die C, ASTM D-624 | 350 ± 50 pli 61.3 ± 8.8 kN/m |
| Tensile Strength, ASTM D-412 | 2200 ± 300 psi 15.2 ± 2 MPa |
| Ultimate Elongation, ASTM D-412 | 500 ± 50% |
| Specific Gravity | 1.2 |
| Total Solids by Weight, ASTM D-2369 | 99.8% |
| Total Solids by Volume, ASTM D-2697 | 99.8% |
| Viscosity at 75°F (24°C) | 3500 ± 1500cps |
| Volatile Organic Compounds, ASTM D-2369-81 | 0.0164 lb/gal 2 gm/liter |

surface must be clean, dry and primed with Polyprime 21 to achieve proper adhesion to the surface.

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.

At 70°F (21°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Uncured Polyglaze AR-SF 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-SF 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.

For ease of application, solvent free (SF) materials should be applied in temperatures greater than 60°F (15.5°C).

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.

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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