

## Product Description

Polyglaze AR/AR-OF is an aromatic, one component, liquid applied, moisture cured, polyurethane coating. Polycoat Products manufactures products in different VOC's ranging from 100 to 340 gms/liter to comply with VOC requirement in various regions. Make sure to use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

## FEATURES

- » Good Weatherability
- » Economical
- » Elastomeric
- » Seamless

## TYPICAL USES

- » Concrete
- » Plywood
- » Pedestrian Traffic
- » Vehicular Traffic
- » Resealing Existing Polyurethane Surfaces
- » Metal, Rubber, Wood or Masonry Surfaces

## PACKAGING

<b>1-Gallon</b>	1 gallon (3.78 liters) can with vial of catalyst
<b>5-Gallon</b>	5 gallon (18.9 liters) pail with 1/2 pint (0.24 liters) can of catalyst
<b>55-Gallon</b>	55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liters) can of catalyst

## Colors

Stone Grey and Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

## Coverage

The approximate coverage is 1 gallon/100 sqft (0.41 l/sqm). Coverage rate will depend on surface roughness and porosity.

## Mixing

Before application, mix Polyglaze AR/AR-OF using a mechanical mixer at slow speed. Add Polyglaze AR/AR-OF Catalyst and continue mixing until a homogeneous mixture and color is attained. Boxing of the material is recommended. Use caution not to whip air into the material as this may result in pinhole

## TECHNICAL DATA (BASED ON DRAW DOWN FILM)

	<b>Polyglaze AR</b>	<b>Polyglaze AR-OF</b>
<b>Coverage Rate</b>	1 gal/100 sqft 0.41 l/sqm	1 gal/100 sqft 0.41 l/sqm
<b>Dry Film Thickness per Coat</b>	12 ± 2 mils 305 ± 50µ	14 ± 2 mils 356 ± 50µ
<b>Hardness, ASTM -2240</b>	90 ± 5 Shore A	90 ± 5 Shore A
<b>Tear Resistance, Die C ASTM D-624</b>	250 ± 50 pli 43.8 ± 8.8 kN/m	300 ± 50 pli 52.6 ± 8.8 kN/m
<b>Tensile Strength, ASTM D-412</b>	3000 ± 200 psi 20.7 ± 1.4 MPa	2500 ± 200 psi 17.2 ± 1.4 MPa
<b>Ultimate Elongation, ASTM 412</b>	450 ± 50%	500 ± 50%
<b>Specific Gravity</b>	1.13 ± 0.1	1.19 ± 0.1
<b>Total Solids by Weight, ASTM D-2669</b>	80% ± 2%	92.5% ± 2%
<b>Total Solids by Volume, ASTM D-2697</b>	74% ± 2%	90% ± 2%
<b>Viscosity at 75°F (24°C)</b>	1500 ± 500 cps	4000 ± 2000 cps
<b>Volatile Organic Compounds, ASTM D-2369-81</b>	2.03 lb/gal 243 gm/liters	0.74 lb/gal 89 gm/liters


blisters and/or shortened pot life. Do not mix in an up and down motion.

## 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.

Requires a continuous coating application to minimize lines and/or streaking.

Polyglaze AR/AR-OF 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. If re-coat window has passed, then solvent



wipe the surface with VOC-compliant solvent and re-prime with Polyprime U.

When Polyglaze AR/AR-OF 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.

## Curing

At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime U 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/AR-OF 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.

If accelerated curing is required, add one quart (0.95 liter) of Polyglaze Hardener in a 5 gallon pail (18.9 liters) of Polyglaze AR and mix thoroughly. This accelerated Polyglaze AR/AR-OF will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. If Polyglaze Hardener is used to accelerate curing then re-coat window for the subsequent coat is reduced to 24 hours after cure. If the recoat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime surface.

## Cleanup

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

## Storage

Polyglaze AR/AR-OF has a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

## Limitations

The following conditions must not be coated with Polycoat deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and non-structural lightweight concrete. On grade slabs may receive Polycoat system coatings provided a moisture-vapor transmission test is first performed. Please contact Polycoat technical department with the results.

With regard to coating asphalt surfaces, please contact Polycoats' technical department.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may

be slippery when wet. 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.**

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