

POLYGLAZ®

Guide Specifications

TRIARCH
GUIDE SPECIFICATIONS
SECTION 09960
POLYGLAZ

PART 1 – GENERAL

1.01 DESCRIPTION OF WORK

- A. PROVIDE all labor, materials, supplies, and equipment required to complete the POLYGLAZ coating as manufactured by Triarch in accordance with the manufacturer's specifications and recommendations.
- B. COORDINATE with other trades regarding preparation of substrate surfaces if substrates are being prepared by others.

1.02 HANDLING AND STORAGE

- A. Receive, move, and store all equipment, supplies, and materials required for the work.
- B. Store in weather sheltered area. Protect materials from freezing and heat in excess of 100°F.
- C. Do not stack five gallon containers more than three pails high.
- D. Shelf life of unopened containers is approximately nine months. Where containers are stored at temperatures above 90°F, shelf life is reduced to six months.

1.03 PROTECTION

- A. All workers exposed to spray mists shall wear respiration protection sufficient to meet NIOSH and OSHA standards for low VOC paints.
- B. Install in a well ventilated area. Although POLYGLAZ is a water based coating and has very low volatile solvent content, confined unventilated areas tend to collect and concentrate vapors that could be harmful under such conditions.
- C. Protect all surfaces that are not to receive POLYGLAZ by utilizing masking tape, drop cloths, etc.

1.04 CLEAN UP

- A. Remove all masking tape on the same day of application.
- B. Prior to curing, clean tools and surrounding areas with water or mild soap and water. Take particular caution to clean as you go; POLYGLAZ is extremely difficult to remove after it is partially cured (2 hours) and virtually impossible to remove after forty-eight hours, even with paint removers.

- C. Shelf life after opening containers is approximately six months.

PART 2 MATERIALS

2.01 SYSTEM

- A. Top coating shall be POLYGLAZ as manufactured by TRIARCH, 800/537-6111, www.triarchinc.com
- B. POLYGLAZ is a water clear, water extendable, aliphatic urethane in either flat or gloss formulations.
- C. Materials are one part water based and arrive at the job ready for use.

2.02 MINIMUM PERFORMANCE CHARACTERISTICS

Sward Hardness	36
Adhesion (ASTM-D3359)	5B
Adheres to the following:	
Vinyl (most wall vinyls)*	Wood
RIM urethane	Aluminum
Steel	Galvanizing
Masonry (vitreous clay)	Portland cement
<i>Note: All plastics should be spot tested for adhesion. All existing coatings should be spot tested.</i>	
Microbial ASTM D 4610	10
Permeability ASTM D 1653	0.0728 (2 coats)
Dry to Touch	20 min
Full Cure	48 hrs
Taber abrasion loss per 1000 cycles	21 mg.
Impact Resistance (direct)	160 in.-lb. @30 deg F.
(reverse)	160 in.-lb. @30 deg F.
Tensil Strength	8,000 PSI

Chemical Solvent Resistance

Toluene, 1 hour immersion	No Effect
Gasoline, 1 hour immersion	No Effect
Glacial Acetic acid	Slight softening, recovers
1 N NaOH, 1 hour spot	Slight softening, recovers
Methylethylketone, 100 rubs	Passed

PART 3 - EXECUTION

3.01 SUBSTRATE

- A. If there is any doubt as to adhesion to the substrate materials, provide a spot test to determine actual adhesion.
- B. Substrate shall be dry (20% moisture or less), clean, free of dust, oil, wax, form release agents, or other substances which may affect adhesion. For application over recently installed Duroplex, provide a minimum cure time of 48-72 hours under average drying conditions (70° F/60% RH) before applying PolyGlaz. Confirm moisture content readings meet 20% moisture or less.
- C. Glossy substrates such as pre-painted surfaces, ceramic tile, etc. shall be scarified or otherwise deglazed prior to first coat being applied.

3.02 STIRRING

- A. Stir with electric drill and paint stirrer at very LOW speed prior to use. CAUTION: avoid entrainment of air into the material. Air bubbles will affect the finish.
- B. Water may be added to adjust viscosity of material for spraying or application conditions. Check application to determine that at least two wet mills can be applied without sagging. Viscosity will affect the thickness at which the wet film may be applied.

3.03 APPLICATION

- A. Do not apply material if ambient temperature is below freezing or is likely to drop below freezing within ten hours of the application.
- B. Apply with roller, brush, or spray. Apply two coats at approximately two wet mils per coat. If application is by roller, back rolling of the wet tacky material will be required to eliminate air bubbles developed by the roller. This method tends to create a slight texture when being applied to smooth surfaces.
- C. Coverage will be approximately 400 square feet per gallon surfaces of average porosity and smoothness such as new drywall. Porous or sealed substrates may affect coverage rates significantly.
- D. For good moisture seal of porous or rough surfaces, apply the first coat with a paint roller. Top coat(s) may be sprayed.

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Information contained in these application instructions conforms to standard detail and product recommendations for the installation of POLYGLAZ® as of the date of publication of this document and is presented in good faith. Triarch assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To insure that you are using the latest, most complete information, contact Triarch.



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