

DUR-A-GLAZE NOVOLAC

DESCRIPTION

DUR-A-GLAZE NOVOLAC epoxy is a clear or pigmented two component, performance topcoat for broadcast systems. It is designed to provide protection against chemicals, acids, solvents, and high temperatures.

BENEFITS

- Superior Chemical Resistance
- Superior Solvent Resistance
- Superior Stain Resistance
- High Heat Distortion Temperature
- Low odor, low VOCs

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 90°F. Substrate must be clean, sound, and dry.

DO NOT PIGMENT THIS PRODUCT WITH DUR-A-GARD (PINHOLES and or FISHEYES WILL OCCUR). Pigmented product must be formulated at DUR-A-FLEX.

DO NOT USE AS A SMOOTH COATING: Fisheyes and / or bubbling will occur. Use Dur-A-Gard Novolac for smooth coatings.

DUR-A-GLAZE NOVOLAC is not recommended as a topcoat for light colored DUR-A-QUARTZ floors because it will amber under UV light.

DUR-A-GLAZE NOVOLAC is meant to be a final topcoat and should not be top coated with any other Performance Topcoat.

TYPICAL USES

DUR-A-GLAZE NOVOLAC is recommended as a performance grout coat for Dur-A-Quartz, Shop Floor and Poly-Crete MDB, SLB, MDQ systems. Some typical areas of application are:

- Kitchens
- Chemical Storage
- Secondary Containment
- Pharmaceutical Plants
- Metal Plating Rooms
- Battery Storage
- Pulp & Paper Mills
- Acid Cleaning Bath Areas

COLORS

DUR-A-GLAZE NOVOLAC is available in clear and 5 standard colors: Medium Grey, Slate Grey, Tile Red, Charcoal Grey and Concrete Grey. Custom colors are available however light colors MUST use a similar background color to prevent hiding issues.

PACKAGING

DUR-A-GLAZE NOVOLAC EPOXY is available in 1 gallon cans, 5 gallon pails, and 50 gallon drums. Store in a dry area at or above 55°F. Avoid excessive heat. The shelf life is 1 year in unopened original containers.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry. For more information please refer to the master Surface Preparation Guide on our website.

APPLICATION METHOD

Substrate must be primed with DUR-A-SHIELD, DUR-A-GLAZE #4 WB, or DUR-A-GLAZE TIE COAT II with epoxy systems (Poly-Crete systems are self priming).

Mixing

DUR-A-GLAZE NOVOLAC Resin and Novolac Hardener should be premixed prior to combining. Mix 1 part Hardener to 2 parts Resin by volume. Scrape the sides of the Hardener and Resin containers to ensure a proper reaction occurs. Use a slow speed 450 RPM drill with a jiffler paddle. Keep the paddle below the surface to avoid air entrapment. Mix for 2 minutes to ensure proper mix.

Application as a Grout Coat

1. Pour a 6 inch ribbon of material across the floor.
2. Use a Flat squeegee to spread material at desired spread rate. The typical spread rate is 90 SF/gal over Q28 & Flintshot and 50 SF/gal over Q11 & Q-Rok.
3. Back roll the material against the squeegee lines with a high quality 3/8" nap roller.
4. Cross roll the material side to side overlapping the previous pass with half the roller width.

JOINT GUIDELINES

Refer to the Joint Guidelines on our website for complete details.

DUR-A-GLAZE NOVOLAC

TECHNICAL INFORMATION

Mix ratio, by volume	1 part hardener to 2 parts resin
Pot Life at 70°F	30 minutes
Tack Free Time at 70°F (ready for re-coat)	8-10 hours
Cure Time at 70°F	24 hours
Full Cure Time (full chemical resistance)	7 days @ 70°F
Minimum Temperature for Application	60°F
Cured Film Thickness	8mils @ 200 sq.ft./gallon - 16 mils @ 100 sq. ft./gallon
Hardness, Shore D	86 – 90
Heat Resistance Limitation (intermittent only)	250°F (122°C)

Physical Property	Test Method	Result
Compressive Strength	ASTM C-579	14,000 psi
Flexural Strength	ASTM C-580	5,500 psi
Tensile Strength	ASTM C-307	2,500 psi
Flexural Modulus of Elasticity	ASTM D-790	1.95 x 10 ⁶ psi
Bond Strength	ACI-403-PP	420 psi (concrete fails)
Indentation	MIL-D 3134-F	No Indentation
Water Absorption	ASTM D-570 ASTM D-696	0.05%, 24 hours in water 2.2 X 10 ⁻⁵ in/in/°F
Abrasion Resistance C-10 Wheel, 1,000 gm load, 1,000 cycles	ASTM D-1044	0.075 gm weight loss
Flammability	ASTM D-635	Self-Extinguishing. Extent of burning less than 0.35 in.
VOC Content		8 g/l
Coefficient of Friction	ASTM D-2047	>0.6

MOISTURE CONCERNS

Please refer to the Floor Evaluation Guidelines in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

CHEMICAL RESISTANCE

Please refer to Novolac on the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

CLEANING

This product is considered a low maintenance flooring solution; however, certain service environments do require certain cleaners. Please refer to master Cleaning Guide on our website.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.