

# Dur-A-Gard Novolac

PRODUCT DATA SHEET



## SYSTEM OVERVIEW

DUR-A-GARD NOVOLAC is a pigmented two component, highly chemical resistant performance topcoat designed as a final topcoat over smooth coatings. It is designed to provide protection against chemicals, acids, and intermittent high temperature fluctuations.

## FEATURES & BENEFITS



### *Highly Chemical Resistant*

Resistant to a wide range of common chemicals and acids



### *Low Odor, Low VOCs*

Install in more locations without offensive odors or harmful Volatile Organic Compounds



### *High Heat Distortion Threshold*

Resistant to intermittent high temperature fluctuations, allowing for installation in harsh environments

## COLORS

Available in a selection of standard solid colors. For a full list of available colors please refer to the Standard Color Chart or visit [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) for more information.

## PACKAGING

- *Dur-A-Gard Novolac*  
RESIN  
HARDENER



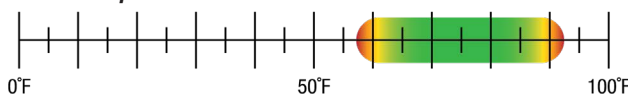
Pre-Weighed Kit, ~125 sq ft @ 16 mils/kit

## COMMON USE SITES

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

## SYSTEM CONSTRAINTS

### *Install Temperature*



Best suited for application between 60°F – 90°F and when the substrate is 5° above dew point

DUR-A-GARD NOVOLAC is meant to be a final topcoat and should not be coated with any other topcoat.

**DUR-A-GARD NOVOLAC CANNOT BE USED AS A GROUT COAT FOR BROADCAST SYSTEMS - PINHOLES WILL OCCUR**

**DO NOT APPLY DUR-A-GARD NOVOLAC IN EXCESS OF 30 MILS - MAY RESULT IN BUBBLES AND/OR PINHOLES IN THE CURED COATING**

If a grout coat/final topcoat is required over a broadcast – refer to DUR-A-GLAZE NOVOLAC instead.

### *Moisture/Salt Testing*

Normal limits for moisture vapor transmission are 3 lbs./1,000 sq ft /24 hour using the calcium chloride test per ASTM F-1869 or 75% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Core Analysis Testing is available from Dur-A-Flex to help provide a measurement of ionic content in flooring substrate. Please refer to the Floor Evaluation Guidelines or visit [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) for more information.

### *Chemical Resistance*

This product is resistant to a large amount of chemicals and acids. Please refer to master Chemical Resistance Chart for a full resistance list or visit [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) for more information.

## APPLICATION

### *SURFACE PREPARATION / JOINT GUIDELINES*

Use a shot blaster or surface grinder to achieve a CSP of at least 3, ensure the surface is clean, dry, and free of all contaminants before you begin applying the system. Always honor moving joints and fill static joints as part of the preparation step. Refer to the master Surface Preparation and Joint Guidelines Guide at [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) for more information.

### *System Application*

1. Combine pre-weighed kits of Resin and Hardener
2. Apply using a v-notched squeegee followed by back-rolling and cross-rolling
3. Allow to cure for full chemical resistance

## MAINTENANCE

This product is considered to be a low maintenance flooring solution; however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide or visit [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) for more information.

### DUR-A-GARD NOVOLAC

#### TECHNICAL INFORMATION

Mix Ratio: Pre-weighed Kits	1 Container of Resin : 1 Container of Hardener
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 (Spread Rate)	16 mils (~125 sq ft/kit)
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 <sup>6</sup> 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 <sup>-5</sup> 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		8.5 g/l
Coefficient of Friction	ASTM D-2047	>0.6

#### IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) FOR THE LATEST VERSION

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TOLL FREE 800-253-3539 | 860-528-9838 | [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM)