

## **DUR-A-WALL / DUR-A-WALL FGR**

### **DESCRIPTION**

DUR-A-WALL and DUR-A-WALL FGR Epoxy Wall Systems are pigmented, two component, low odor, 100% thermosetting epoxy formulations. DUR-A-WALL FGR (fiberglass reinforced) uses the same epoxy system as our DUR-A-WALL system but incorporates a fiberglass mat designed especially for sheet rock wall applications. DUR-A-WALL is ideally suited for application on concrete, wood, drywall, cement board or block. This coating is extremely durable, sanitary and easy to clean. A urethane topcoat with a high gloss or satin finish is recommended to provide protection against very aggressive solvents, acids and alcohols. Urethane topcoats are stain resistant and provide a high degree of abrasion resistance.

### **BENEFITS**

- Stain Resistant
- Easy to Clean
- Seamless
- Durable
- Sanitary
- Easy Maintenance

### **LIMITATIONS**

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound and dry. Failure to apply the recommended urethane topcoat will result in the systems' inability to maintain chemical and abrasion resistance and UV stability. When using light-colored urethane topcoats Dur-A-Flex recommends applying two coats to ensure adequate coverage.

### **TYPICAL USES**

- Laboratories
- Walk-In Coolers
- Pharmaceutical Plants
- Food Processing Plants
- Commercial Kitchens
- Clean Rooms
- Car Wash Bays
- Hospitals
- Laundries
- Kennels
- Bottling Plants
- Garages
- Warehouses
- Schools

- Locker Rooms

### **COLORS**

DUR-A-WALL and DUR-A-WALL FGR is available clear or in 15 standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

### **PACKAGING**

DUR-A-WALL and DUR-A-WALL FGR Epoxy Wall Systems are packaged in 1-gallon cans, 5-gallon pails and 50-gallon drums. The PGM semi-rigid fiberglass mat is available in 36" width at 540 Sq Ft per roll. Shelf life is one year in the original unopened containers.

### **SURFACE PREPARATION**

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

### **APPLICATION METHOD /SPREAD RATES**

DUR-A-GARD pigmented epoxy is used throughout the DUR-A-WALL and DUR-A-WALL FGR systems for base, grout and seal coats. Typically, DUR-A-GARD epoxy is applied with a 3/8" nap roller at approximately 200 Sq Ft per gallon to yield an even 8 mils wet film thickness with no runs. Coverage will vary depending on porosity and texture of substrate.

### **GUIDE SPECIFICATIONS**

This product is part of the DUR-A-FLEX family of polymer systems. Please refer to the master Specifier's Guide for complete three part guide specs in multiple formats.

### **CHEMICAL RESISTANCE**

This product is resistant to most common chemicals. Please refer to the master Chemical Resistance Chart for actual resistance to specific chemicals/reagents.

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## TECHNICAL INFORMATION

Toxicity	Non-Toxic, USDA Approved	
Physical Property	Test Method	Result
Hardness, Shore D	ASTM D-2240	70-80
Water Absorption	ASTM D-570	0.04%
Flammability	ASTM D-635	Self-Extinguishing
Flame Spread / NFPA-101	ASTM E-84	Class A
Tensile Strength	ASTM-D 638	3000 psi
Flexural Strength	ASTM D-790	4000 psi
Impact Resistance Alkyd/Latex Paint Dur-A-Wall Dur-A-Wall FGR	ASTM E695-03 (Soft Body Impact)	75 ft.lbs. 0.120" set 75 ft.lbs. 0.060" set 90 ft.lbs. 0.100" set
Impact Resistance Alkyd/Latex Paint Dur-A-Wall Dur-A-Wall FGR	USG Pipe Cap Test (Hard Body Impact)	10 ft. lbs. 13 ft. lbs. 25 ft. lbs
Impact Resistance Alkyd/Latex Paint Dur-A-Wall Dur-A-Wall FGR	ASTM D- 2794 @25 inch lbs (Indentation, Mils)	85 68 35
Bond Strength to Substrates	ASTM D- 4541	Substrate Failure
Thermal Shock, 50 cycles of immersion in Chilled and Boiling water	MIL F 52505	No cracking or loss of adhesion
Abrasion Resistance, CS-17 Wheel, Wgt. Loss 1000 gm. Load 1000 cycles	ASTM D- 4060	15 mg. loss
VOC Content		42.49 g/l

### CLEANING

This product is considered to be a low maintenance coating solution. Please refer to the master Cleaning Guidelines on our website.

### CAUTION

Slight batch-to-batch color variations may occur. When ordering to match a previous color, inquire if the same batch number or quality control number is still available. **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.*