

## **DUR-A-WALL HPF WALL SYSTEM**

### **DESCRIPTION**

DUR-A-WALL HPF Wall System is a multi-step wall coating system designed specifically for areas requiring superior chemical resistance, durability and impact resistance. DUR-A-WALL HPF Wall System consists of a urethane-modified acrylic latex primer, DUR-A-GARD NO-SAG EPOXY with reinforcing fiberglass matt, two DUR-A-GARD NO-SAG EPOXY grout coats, and two coats of DUR-A-WALL HP TOPCOAT. DUR-A-WALL HP TOPCOAT is a pigmented, two-component, low odor, urethane formulation. DUR-A-WALL HPF is designed especially for drywall applications. This coating is extremely durable, sanitary and easy to clean and will provide protection against very aggressive solvents, acids and alcohols. It features up to 10 times the scrubbing durability of traditional epoxy wall coatings and withstands aggressive cleaning regiments such as Vaporized Hydrogen Peroxide.

### **BENEFITS**

- Stain Resistant
- Easy to Clean
- Seamless
- Low Odor
- Chemical Resistant
- Impact Resistant
- CA 01350 Compliant
- Durable
- Sanitary
- Easy Maintenance
- UV Stable
- Scrub Resistant

### **LIMITATIONS**

This product is best suited for application in temperatures between 60°F and 85°F and relative humidity below 75%. Application outside these ranges will impact cure times. Substrate must be clean, sound and dry. DUR-A-WALL HPF should be applied on drywall only. **Keep from freezing.**

### **TYPICAL USES**

- Operating Rooms
- Patient Rooms
- Emergency Rooms
- Laboratories
- Pharmaceutical Plants
- Showers

### **COLORS**

DUR-A-WALL HPF is available in 15 standard colors in a matte, eggshell or satin finish. Please refer to the DUR-A-WALL Standard Color Chart on our website. A limited offering of white-based custom colors is available upon request.

### **PACKAGING**

DUR-A-WALL HPF Wall System components are packaged as follows: DUR-A-WALL GRIPPER PRIMER – 1-Gallon pails, DUR-A-GARD NO-SAG EPOXY – 1- and 5-Gallon pails, DUR-A-WALL HP TOPCOAT – 2-component pre-measured kits, approximately 400 Sq. Ft. per kit (matte, eggshell) and 340 Sq. Ft. per kit (satin). Shelf life for all products is 1 year with the exception of DUR-A-WALL HP TOPCOAT which is 6 months, in original unopened containers. The PGM semi-rigid fiberglass mat is available in 36” width at 540 Sq Ft per roll.

### **SURFACE PREPARATION**

This product requires preparation in order to perform as expected. Substrate must be clean, sound and dry. Please refer to the Application Instructions for the DUR-A-WALL HPF wall system for more information.

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

DUR-A-WALL HP GRIPPER PRIMER can be applied with a brush or roller at 200 – 450 SF/gal depending on the surface and application method (see Product Data Sheet). DUR-A-GARD NO-SAG EPOXY is applied with a 3/8” nap roller at approximately 80 - 200 Sq Ft per gallon to yield an even 8 mils wet film thickness. DUR-A-WALL HP Topcoat can be applied with a brush or roller. All coverages will vary depending on porosity and texture of substrate. Refer to the DUR-A-WALL HPF Wall System Application Instructions for complete application information.

### **GUIDE SPECIFICATIONS**

This product is part of the DUR-A-FLEX family of polymer systems. Please refer to the Dur-A-Flex website for complete three-part guide specs.

### **CHEMICAL RESISTANCE**

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

### **CLEANING**

This product is considered to be a low maintenance coating solution. Dur-A-Flex recommends cleaning with a heavy-duty alkaline cleaner such as E-Z CLEAN however heavy duty cleaners and disinfectants may be used in harsher environments. Refer to the Chemical

Resistance chart for compatibility.

### **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.**

## **DUR-A-WALL HPF WALL SYSTEM**

### **TECHNICAL INFORMATION**

Color	White (can be tinted)		
Flame Spread ASTM E84/NFPA-101	Class A		
Pencil Hardness ASTM D3363	4H Scratch		
Impact Resistance ASTM D2794	140 in. lbs.		
MEK Rubs	>2,000 no noticeable gloss change or degradation		
Pot life, 70° F, 50% R.H.	>2 hours		
Recoat Time	60 - 90 minutes (minimum)		
Recoat Window	Indefinite (sanding recommended)		
Return to Service	16 - 24 hours		
Full Chemical Resistance	7 days (VHP 14 days)		
VOC	HP Topcoat – 0 g/L, Gripper Primer & Block Filler - <100 g/L		
	Satin	Eggshell	Matte
Abrasion Resistance, CS-17 wheel, Wt. Loss 1000 gm load, 1000 cycles, ASTM D4060 (mgs loss)	74 mgs	68 mgs	84 mgs
Coverage rates (approx. @ 4mils WFT)	340 SF/kit	400 SF/kit	400 SF/kit

### **Dur-A-Wall HPF Chemical Resistance**

Chemical Name	% Conc.	Perf.	Chemical Name	% Conc.	Perf.
Acetic Acid	5%	R	Ethyl Alcohol	200 proof	R
Ammonia, Clear	-	R	Hydrochloric Acid	20%	R
Ammonium Hydroxide	3.1%	R	Hydrogen Peroxide	35%	R
Betadine	-	RS	Isopropyl Alcohol	70%	R
Chloraprep	-	RS	Lactic Acid	~30%	SS
CIP 200	-	SS	Nitric Acid	70%	N
CIP 300	-	R	Phosphoric Acid	25%	SS
Clorox Concentrate	-	R	Spor-Klenz	-	R
Dur-A-Solve	-	R	Vaporized Hydrogen Peroxide (VHP)	600 ppm	R
Ecolab Cleaner	-	R			

**Key:** R = Resistant//Recommended N = Not recommended for exposure to material due to coating degradation

**RS** = Resistant - will not degrade coating but will stain

**S** = Splashes and spills must be cleaned from surface within 24 hours to avoid coating degradation and staining

**SS** = Splashes & spills must be cleaned from surface within 24 hours to avoid coating degradation but it will leave stain

All data is based on room temperature exposure. Please check with the Dur-A-Flex Technical Department for elevated constant temperature or thermal shock exposure. Methodology - Coatings were spot tested & checked after 1, 2, & 7 days.

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

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