

## SHOP FLOOR MR

### DESCRIPTION

SHOP FLOOR™ MR is a seamless, non-slip pigmented flooring system designed for heavy duty use in mechanical rooms consisting of an optional primer/moisture barrier, a waterproofing membrane, a single or double broadcast, a grout coat/wear coat, and abrasion resistant/UV stable topcoats.

Dur-A-Flex Mechanical Room systems are designed to work seamlessly around all types of drains. Tech support is available to assist with construction documents and incorporate CAD details when required, eliminating rework and future repairs.

### BENEFITS

- UV Stable: Years of service with no ambering or degradation due to UV exposure with use of an Armor Top topcoat
- Waterproofing Membrane: Stops water from penetrating the surface of the coating and damaging the substrate
- Non Slip: Textured finishes aid in a safer floor, even when wet
- Variable Install Window: Coat over green or 28+ day old concrete

### COLORS

Available in a selection of pre-pigmented options. For a full list of available colors visit or visit our website for more information.

### PACKAGING

ARMOR TOP is a resin and hardener: ~700 sq ft per kit  
FLINTSHOT is aggregate: 1/2 lbs per sq ft  
SHOP FLOOR is a resin and hardener: 90-100 sq ft per gal  
ELAST-O-COAT is a resin and hardener: 80 sq ft per gal  
DUR-A-GLAZE MVP is a resin and hardener: 100 sq ft per gal

### COMMON USE SITES

- Mechanical Rooms
- Server Rooms
- Data Centers
- Equipment Rooms
- Chiller Rooms

### SYSTEM GUIDELINES

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

### MOISTURE CONCERNS

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. (If using optional Dur-A-Glaze MVP Primer – this will be 20 lbs /1,000 sq ft / 24 hrs or 99% Relative humidity) 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 our website for more information.

### CHEMICAL RESISTANCE

This product is resistant to most common chemicals. Please refer to master Chemical Resistance Chart or visit our website for more information.

### SURFACE PREPARATION / JOINT GUIDELINES

Use a shot blaster or surface grinder to achieve a CSP of 2-3, 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 on our website for more information.

### SYSTEM APPLICATION

1. Dur-A-Glaze MVP (16 mils) – Primer/Moisture Barrier (optional)
2. Elast-O-Coat (20 mils) – Waterproof Membrane
3. Shop Floor (16 mils) with broadcast of flintshot aggregate – Broadcast Coat
4. Shop Floor (16 mils) with broadcast of flintshot aggregate – Optional Second Broadcast Coat
5. Shop Floor (16 mils) – Grout Coat
6. Armor Top (3-4 mils) – Top Coat (Recommended)

### 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 our website for more information.

## Shop Floor MR

Physical Property	Test Method	Result	
		Shop Floor	Armor Top
Tensile Strength	ASTM D-638 ASTM C-307	4,000 psi 2,600 psi	
Tensile Elongation	ASTM D-412	150% (with Elast-O-Coat)	
Indentation/Impact Resistance	MIL D-3134	Pass/No Cracking	
Water Absorption	ASTM D-570	0.04%	
Abrasion Resistance (CS-17 Wheel)	ASTM D-4060	29 mg loss	Satin finish with grit - 8 mg loss Satin finish with no grit - 12 mg loss Gloss finish with grit - 4 mg loss Gloss finish with no grit - 10 mg loss
UV Resistance	-	None	Excellent
Static Coefficient of Friction*	ASTM D-2047	>0.6	
Dynamic Coefficient of Friction - Wet*	ANSI/NFSI B101.1	>0.42	

\*Dur-A-Flex flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Dur-A-Flex territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

### 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