

DUR-A-GARD™ MR

DESCRIPTION

DUR-A-GARD™ MR is a seamless, non-slip pigmented flooring system designed for use in light duty/light traffic mechanical rooms consisting of an optional primer/moisture barrier for use over green concrete, an elastomeric waterproofing membrane, a 100% solids epoxy wear coat with an optional non-slip broadcast, and a recommended ARMOR TOP TOPCOAT for added abrasion and UV resistance.

DUR-A-GARD MECHANICAL ROOM systems are designed to reduce steps for a quick installation and work seamlessly around floor drains. Tech support is available to assist with construction documents and incorporate CAD details when required, eliminating rework and future repairs.

BENEFITS

- Quick Install: Reduced installation steps for less downtime during installation
- Waterproofing Membrane: Stops water from penetrating the surface of the coating and damaging the substrate
- Variable Install Window: Coat over green over 28+ day concrete

COLORS

Available in a selection of pre-pigmented options. For a full list of available colors view our Dur-A-Flex Standard color chart or visit our website for more information.

PACKAGING

ARMOR TOP is a resin and a hardener: ~700 sq ft per kit
ALUMINUM OXIDE AGGREGATE: 1lb per 100-200 sq ft
DUR-A-GARD is a resin and hardener: 100-200 sq ft per gal
ELAST-O-COAT is a resin and hardener: 80 sq ft per gal
DUR-A-GLAZE MVP is 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 (for non-porous substrates use a CSP of 3 at a minimum), 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. DUR-A-GARD (8-16 mils) with optional Aluminum Oxide Broadcast – Body Coat/Wear Coat
4. PIGMENTED ARMOR TOP (4 mils) – Topcoat (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.

Physical Property	Test Method	Result	
		Dur-A-Gard	Armor Top (optional)
Tensile Strength	ASTM D-638 ASTM C-307	3,000 psi 1,950 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	35 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	

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** FOR THE LATEST VERSION