

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 (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 |
| 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