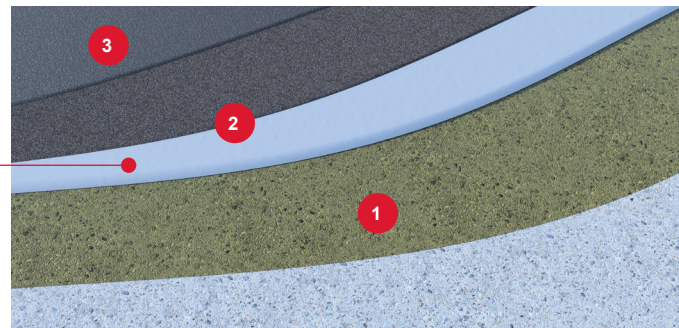
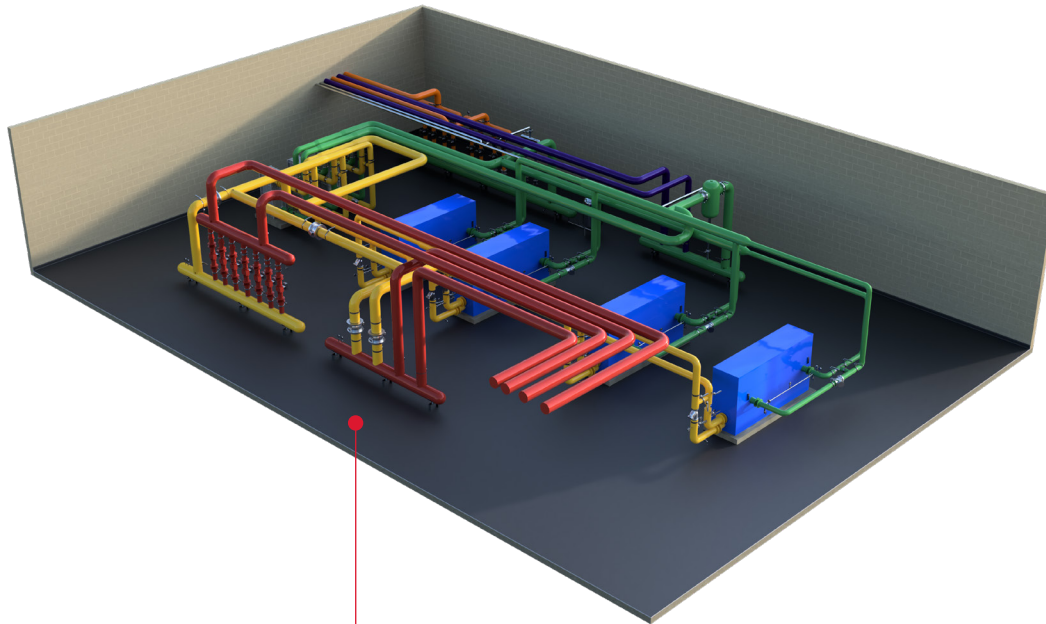


## SYSTEM GUIDE

# DefenderDeck-MR



## SYSTEM GUIDE

**DefenderDeck-MR** is a polyurea enhanced, hand-applied, multi-layer elastomeric waterproofing system designed as a non-slip flooring surface for use in mechanical rooms.

## APPLICATIONS

- Flooring
- Mechanical Rooms

## BENEFITS

- No noxious odors or VOCs
- Easy-to-use hand-applied system
- Slip and abrasion-resistant surface

## COLORS

Standard color of base coat is Light Grey (Color Code "115"). Standard color of top coat is Dark Grey (Color Code "104").

Additional colors are available upon request.

**REQUEST A DRAW DOWN SAMPLE FOR EXACT COLOR**

## SYSTEM COMPONENTS

- 1. Primer Coat:** Varies based on substrate
- 2. Base Coat:** FT-4280
- 3. Top Coat:** FT-4295 w/Round Glass Bead Backrolled

## INSTALLATION OVERVIEW

Installation of any Freedom Chemical Corporation's products should be performed by an applicator with documented experience and a quality assurance program.

Refer to the relevant documentation for complete mixing, handling, and installation information.

### Project Conditions

Install system when air and substrate temperature meet the requirements of the contract documents or is between 40°F (4.4°C) and 104°F (40°C), whichever is more stringent. Do not install system if relative humidity is above 85%. Refer to Installation Procedure document for information regarding air/substrate temperature and dew point limitations.

### Surface Preparation

Concrete Surfaces: Provide clean, dry, and sound concrete substrate. Repair spalls and other defects using approved patching materials. Prepare concrete surfaces in accordance with SSPC-SP13/NACE No. 6 and achieve a Concrete Surface Profile of at least 3 measured using ICRI CSP chips.

Metal Surfaces: Provide clean, dry, and sound metal substrate. Prepare metal surfaces in accordance with SSPC-SP10/NACE No. 2 and achieve a 4-6 mil blast profile measured using a Surface Profile Gauge.

### Application of Products

Step 1 (Primer Coat): Mix and immediately pour

primer onto substrate in accordance with the contract documents or the Freedom Chemical Corporation Installation Procedure document.

- Application Rate for Concrete: 100-200 ft<sup>2</sup> per gallon
- Application Rate for Metal\*: 600-800 ft<sup>2</sup> per gallon.

Allow primer to cure until tack-free prior to performing subsequent steps.

*\*Note: Primer not required on properly prepared metal substrates unless corrosion-inhibiting primer required by project specifications.*

Step 2: Mix and immediately pour FT-4280 onto primed substrate in accordance with the contract documents or the Freedom Chemical Corporation Installation Procedure document, whichever is more stringent.

- Application Rate: 60 ft<sup>2</sup> per gallon (~27 mils)

Spread material using a notched trowel or squeegee, then back roll using a 1/4-inch nap roller.

Allow FT-4280 to cure until tack-free prior to performing subsequent steps.

Step 3: Mix and immediately pour FT-4295 onto previously installed FT-4280 in accordance with the contract documents or Freedom Chemical Corporation Installation Procedure document, whichever, is more stringent.

- Application Rate: 100 ft<sup>2</sup> per gallon (~16 mils)

Spread material using a notched trowel or squeegee, then back roll using a 1/4-inch nap roller.

Prior to the FT-4295 achieving full set, broadcast a 30x40 or 20x30 mesh round glass bead into the FT-4295 to achieve a slip-resistant finish. Refer to Installation Procedure document for additional information regarding aggregate requirements.

Allow FT-4295 to cure in accordance with Return to Service Times listed below.

### Return to Service Times

|                            |          |
|----------------------------|----------|
| Open to Pedestrian Traffic | 12 hours |
| Open to Vehicular Traffic  | 24 hours |