

FREEDOM[®] Chemical Corporation

FreedomTuff® SentryDeck™ Mech Rm is an integrative coating utilizing an epoxy primer and a hand applied two component polyurethane that provides an elastomeric waterproof system with a theoretical dry film thickness of 37 mils± (939.8 microns). The system is used on concrete, metal and wood. Its quick set time allows for pedestrian and vehicular traffic in seventy two (72) Hours at 75° Fahrenheit (23.88° C) and 25% Relative Humidity.

ADVANTAGES

- + USGBC LEED, EQ Credit 4.2 AND 4.3: Low-emitting VOC Compliant Materials
- + Quick return to service
- + Withstands constant water immersion
- + No noxious odors

RECOMMENDED USES

- + Flooring
- + Mechanical Rooms

NOTE: Read all the information contained in each of the Product Information Bulletin's prior to starting any coating project.

Read MSDS for health and safety information.

Products are for professional use only.

SURFACE PREPARATION

Surface preparation is the essential first stage treatment of a substrate before the application of any coating. The performance of a coating is significantly influenced by its ability to adhere properly to the substrate material. It is generally established that correct surface preparation is the most important factor affecting the total success of surface treatment. Surfaces will be clean, dry, and sound, the presence of even small amounts of surface contaminants, dust, efflorescence, laitance, salts, curing compounds, dirt, oil, form release agents, and other foreign matter can physically impair and prevent coating adhesion to the substrate.

Grinding is only permitted in areas that are inaccessible to shot blasting equipment.

Concrete should be cured for a minimum of 28 days prior to product application and have at least 3000 psi compressive and 220 psi tensile strength.

Primer is required on all substrates, except wood and on properly prepared steel (immersion requires a primer).

MIXING/APPLICATION PROCEDURES

Mix entire/full package containers, do not measure or mix partial containers of multi-component materials.

Do not dilute under any circumstances.

Insure that the substrate and outside air temperature is between 40° F (4.4° C) and 104° F (40° C) at least 6° (-14.44° C) above the dew point and rising.

STEP ONE: Concrete substrates should be shot blasted to obtain to a Concrete Surface Profile (CSP) 4-6.

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Coverage rates for all products are approximate and vary based on type of substrate, porosity, roughness and size of broadcast aggregate. See Product Information Bulletin's.

STEP TWO: Select appropriate *FreedomTuff®* primer, see Product Information Bulletin's.

The substrate and may require more than one coat of Freedom® Chemical Corporation's *FreedomTuff®* primer. After selection of primer, mix and immediately pour primer onto the substrate at a rate of 100 to 300 square feet per gallon (9.29030m² to 27.8709m² per liter) in sufficient quantity to obtain a minimum theoretical dry film thickness of 5 mils (127 microns) per coat.

Do not apply more primer to substrate than can be coated with *FreedomTuff® 4300* within eighteen (18) hours of application. If primer is not coated within the allotted time, sand and re-apply primer.

Allow primer to become tack free prior to application of *FreedomTuff® 4300*.

STEP THREE: Apply 1¼ gallon (4.7317 liters) of *FreedomTuff® 4300* at 100 square feet per gallon (9.290 m²) or in sufficient quantity to obtain a minimum theoretical 20 mils dry (508 microns); film thickness, immediately pour the *FreedomTuff® 4300* onto the horizontal surface and spread evenly over the entire surface using notched trowel or squeegee.

Prior to its full set and starting to gel, broadcast to refusal a washed, dry, rounded, contamination free 30 x 70 nominal sieve size sand (.0232".600 millimeters, .0083".212 millimeters) with 6.5 Moh's minimum hardness into the *FreedomTuff® 4300*, or as required to achieve the specified slip-resistant finish.

Excess aggregate must be completely removed.

Do not apply more *FreedomTuff® 4300* than can be top coated within twenty four (24) hours.

Allow *FreedomTuff® 4300* to dry prior to application of *FreedomTuff® 4440*.

STEP FOUR: Apply ¾ gallons (2.839 liters) of *FreedomTuff® 4440* top coat at 100 square feet per gallon (9.290 m²) or in sufficient quantity to obtain a minimum theoretical of 12 mils (304.79 microns). Immediately pour the *FreedomTuff® 4440* onto the horizontal surface and spread evenly over the entire using a flat edge squeegee and then back roll using a ¼" mohair roller with a phenolic resin core.

FreedomTuff® 4440 should be applied in a smooth pattern to establish a uniform thickness and appearance.

Re-coating *FreedomTuff® 4440* the surface must be properly prepared and may require priming prior to re-coating.

FREEDOMTUFF® SENTRYDECK™ MECH RM

SAND/AGGREGATE GUIDELINE

Apply sand to refusal for the *FreedomTuff*® mechanical room deck for a slip resistant finish.

DRY FILM THICKNESS

Freedom ® Chemical Corporation's *FreedomTuff*® mechanical room with primer is a theoretical 37 mils± (939.8 microns) dry film thickness without sand using *FreedomTuff* ® 4440 top coat.

TESTING

If required a substrate adhesion test should be performed seven days after application.

SPECIFICATION AND FIELD ASSISTANCE

Contact Freedom ® Chemical Corporation for assistance.

Jobsite visits by Freedom ® Chemical Corporation's employees or its independent agents are solely for the purpose of determining qualification for warranty.

DISPOSAL Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

WARNING

The *FreedomTuff*® Mechanical Room coatings contain Isocyanates.

Incredible Stuff, Exceptional Service, and Friendly People™

Read all the information in this product information bulletin, and material safety data sheet (MSDS) before applying any material. The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to this description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors. Guidelines, recommendations, statements, and information contained herein is based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy themselves, by their own information and tests, to determine suitability of the product for their own intended use, application and job situation and the user assumes all risk and liability resulting from their own use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of Freedom ® Chemical Corporation. Typical properties and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Performance results were obtained in a controlled environment and Freedom ® Chemical Corporation makes no claim that these tests or any other tests accurately represent all environments. Products manufactured by Freedom ® Chemical Corporation are free of defects for a period of one (1) year, liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the materials in question. † Freedom ® Chemical and FreedomTuff ® are trademarks registered in the US Patent and Trademark Office. ‡ The marks of Freedom ® Chemical Corporation, its divisions, slogans, emblems, other marks appearing in this document are the trademarks and/or service marks of Freedom ® Chemical Corporation, its subsidiaries, affiliates or licensors Copyright © March 2015 Freedom ® Chemical Corporation. All Rights Reserved. All published information is subject to change without notice.