FREEDOMTUFF® PRODUCT INFORMATION BULLETIN

FREEDOMTUFF® 6175 is a100% solids, plural component epoxy primer metal and steel. Application temperatures should be between 45° F (7.22° C) and 95° F (35° C).

ADVANTAGES
- 0 – VOC's, 100% Solids
- Excellent adhesion to steel
- High build
- High strength
- Meets USDA criteria
- No noxious odors
- Non-Blushing
- USGBC LEED, EQ Credit 4.2 AND 4.3: Low-emitting VOC Compliant Materials

USES
- Metal
- Steel

PROFESSIONAL USE ONLY
Read and understand all the information contained in the Product Information Bulletin's, SDS's and product labels prior to starting any project. Nothing contained in any of Freedom® Chemical Corporation's materials relieves the end user of the obligation to read and follow the warnings and instructions for each of Freedom® Chemical Corporation's products.

PREPARATION
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.

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.

Profile steel between 6 mils.

COLOR
Clear - Due to its chemical composition FT-6175 will discolor.

COVERAGE RATE
Freedom® Chemical Corporation's coverage rates for all products are approximate and vary based on type of substrate, substrate porosity, and roughness and size of broadcast aggregate.

100 to 200 square feet per gallon (9.29030m² to 18.5806m² per liter), FreedomTuff® is applied at a minimum theoretical 8 mils per coat (0.2032 mm) do not puddle.

PACKAGING 2:1 RATIO
3 Gallon Kit: (2 gallon/7.570 liters Part-A) and (1 gallon/3.785-liter Part-B).

PRIMER
FreedomTuff ® primer is required on all substrates, except on properly prepared steel.

MIXING
Do not mix partial containers of multi-component materials.

Do not dilute under any circumstances.

Blend 2 Parts-A with 1 Part-B by volume into a clean container.

Adequately blend FreedomTuff ® primer for 3 to 4 minutes at a slow speed using a drill motor and paddle making sure not to encapsulate any air.

If necessary, add up to 1-quart (0.9463 liters) of acetone per 3 gallons (11.356 liters) kit as permitted by local regulations, remix product immediately, carefully scraping the sides and bottom of the pail during mixing.

APPLICATION
For optimum results proceed with application while air temperatures are between 45° F (7.22° C) and 95° F (35° C). Insure that the outside temperature is at least 6° F (-14.44° C) above the dew point and rising. Apply while the outside temperature is descending, high or Low temperatures and humidity can significantly affect the cure time and pot life.

After mixing thoroughly, immediately pour the FreedomTuff® primer onto the horizontal surface and spread evenly over the entire surface using trowel or squeegee and back roll, do not puddle.

Do not apply more primer to the substrate than can be coated within eighteen (18) hours of it becoming tack free.

FreedomTuff® primer will require mechanical abrasion once it exceeds the recoat window.

Apply coating to FreedomTuff® primer when surface is dry to the touch.

Working time for FreedomTuff® primer is approximately 20 minutes.

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 determining qualification for warranty.

DISPOSAL
All spilled material, unused contents of containers, empty containers and secondary containment spills/leaks, must be cleaned up and disposed of in accordance with local, state and federal regulations.

LIMITATIONS
The end user should check the suitability of this product and the substrate prior to its application. Freedom® Chemical Corporation assumes no liability for substrate defects.

Substrates that have previously been coated are subject to absorption, which may affect the adhesion of a new coating. Adhesion to substrate should be checked prior to starting any coating project.

FreedomTuff® primers have a shelf life of 1 year from the date of manufacture, in factory-sealed containers.

Excess moisture vapor in concrete slabs may result in the primer and/or coating to delaminate, discolor or cause improper curing.

Coating must be applied to FreedomTuff® primer within 18 hours of application.

FreedomTuff® primer is not UV Stable.

PRODUCT QUALITY AND STORAGE
Shipping and storage temperatures for Part-A and Part-B should be between 45º F (7.22° C) and 95º F (35° C).

Never store directly on concrete surface, always store on pallets.

Avoid freezing temperatures.

Rotate stock regularly.

Do not open until ready to use and keep containers sealed tightly.

TESTING
Perform an adhesion test prior to starting any coating project.

Substrate adhesion test should be performed seven days after application. All testing should be performed by a qualified testing agency. Freedom® Chemical Corporation is not responsible for testing.

FREEDOMTUFF® 6175 TYPICAL PROPERTIES

MIX RATIO BY VOLUME	N/A	2A:1B
POT LIFE @ 75º F (24º C) @ 50% R.H.	N/A	16 MINUTES
TACK FREE TIME	N/A	4 – 5 HOURS
HARDNESS: SHORE D	ASTM D-2240	85
TENSILE STRENGTH	ASTM D-695	7500 PSI
VISCOSITY AT 75°F (24°C)	N/A	1800 CPS
VOLATILE ORGANIC COMPOUNDS	ASTM D-3960	0 LB/GALLON, 0 GRAMS/LITER
DRY FILM THICKNESS PER COAT	N/A	5 MILS/0.127MM
ADHESION (DRY CONCRETE)	ASTM D-4541	>800 PSI

Incredible Stuff, Exceptional Service, and Friendly People™