PRODUCT DATA SHEET

FREEDOMTUFF™ FT-6057

PRODUCT DESCRIPTION

FT-6057 is a two component urethane system used as a primer between concrete or steel substrates and polyurethane or polyurea membranes. Its low-viscosity formulation enables spray application using plural-component proportioning equipment.

USES

- Concrete substrates
- Steel substrates

ADVANTAGES

- Easy processing
- Designed for spray application using plural component proportioners
- 1:1 mix ratio
- Wide application temperature range
- Easy to use
- Low Odor
- Non-Flammable
- EPA VOC Exempt Solvent

PACKAGING

10-gallon kit:

- Part A: 5 gallons (19 L) liquid
- Part B: 5 gallons (19 L) liquid

104-gallon kit:

- Part A: 52 gallons liquid in 55-gallon drum
- Part B: 52 gallons liquid in 55-gallon drum

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Value
Mix Ratio by Volume	-	1:1
Part A Viscosity @ 72°F	Internal	30 cPs
Part B Viscosity @ 72°F	Internal	150 cPs
Gel Time @ 70°F	100g	3-4 minutes
Tack Free Time @ 70°F	10 mils	30 minutes
Tack Free Time @ 40°F	10 mils	60 minutes
Recoat Window	Internal	6 hours
Adhesion to Concrete	ASTM D7234	>150 psi
Adhesion to Steel	ASTM D4541	>300 psi
Solids	Volume	70%
VOC	EPA Method 24	0 g/L

The values stated in this Product Data Sheet are based on system processing under controlled laboratory conditions. Equipment configuration and/or field application conditions may produce variances in the installed product values

COLOR

Translucent Amber

Note: *Due to its chemical composition, product will discolor with exposure to sunlight and/or UV.*

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SURFACE PREPARATION

Concrete Substrates: Provide clean, dry, and sound concrete substrate. Concrete shall be allowed to cure for a minimum of 28 days. If less than 28 days, contact Freedom Chemical Company Technical Service for additional information.

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.

After surface preparation and prior to the application of Freedom Chemical Corporation products, test surface tensile strength of prepared concrete surfaces in accordance with ASTM D7234 and/or ASTM C1583. Minimum surface tensile strength shall be 300 psi. Refer to SSPC-SP13/NACE No. 6, Section 6, Table 2 for additional information.

Grinding is only permitted in areas that are inaccessible to standard abrasive blast equipment.

Steel Substrates: Provide clean, dry, and sound steel substrate. Prepare steel surfaces in accordance with SSPC-SP10/NACE No. 2 and achieve an angular 4-6 mil blast profile.

COVERAGE RATES

Material coverage rates shall be in accordance with project specification requirements or Freedom Chemical Corporation's Installation Procedure document(s), whichever is more stringent.

MIXING & APPLICATION

Refer to appropriate Installation Procedure document(s) for detailed instructions.

CLEAN UP

User is responsible for reading, understanding, and following all recommendations on SDS. Dispose of all packaging and containers in accordance with local, state, and federal laws and regulations. Excess liquid materials should be mixed and allowed to cure. Once cured, dispose of cured material in accordance with local, state, and federal laws and regulations.

LIMITATIONS

Care shall be taken when applying Freedom Chemical Corporation products over substrates containing trapped moisture and/or where moisture vapor drive is present (i.e., metal pan decks, split slab membranes, etc.). Refer to Installation Procedure document(s) for substrate treatment prior to placement of any coatings.

Excess moisture vapor in concrete slabs may cause polyurea coating to delaminate, discolor, and/or cure improperly.

SHELF LIFE & STORAGE

Shelf life is one (1) year from the date of manufacture in original, unopened, factory-sealed containers under specified storage conditions.

Shipping and storage temperatures is 65°F to 90°F at (or below) 50% Relative Humidity. Avoid freezing temperatures. Do not store containers directly on ground. Always store on pallets or otherwise elevated.

Do not open containers until ready to use. Partially filled containers should be purged of air using nitrogen blanketing and sealed tightly when not in use.