

FREEDOMTUFF™ FT-4324

PRODUCT DESCRIPTION

FT-4324 is a 100% solids, two-component, hand-applied aromatic polyurethane used as a protective or waterproof coating with good chemical and abrasion resistance. It is designed for use as a base coat or intermediate coat, and can be used on horizontal and vertical concrete, steel, metal, and polyurea surfaces.

USES

- Bridge Decks
- Sacrificial Waterproofing
- Commercial, Retail, Institutional Structures
- Parking Structures, Rooftop Garages

ADVANTAGES

- Excellent abrasion and chemical resistance
- Excellent for low temperature applications
- No noxious odors
- USGBC LEED, EQ Credit 4.3: Low-emitting VOC Compliant Materials

COLOR

Amber or Medium Gray

Note: Due to its chemical composition, FT-9500-QF will discolor when exposed to UV radiation.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Value
Mix Ratio by Volume	NA	1:2
Pot Life @ 68°F	ISO 9514	30-50 minutes
Tack Free Time @ 68°F	ASTM D1640	4 hours
Recoat Window	Internal	6 hours
Pedestrian Traffic	Internal	12 hours
Vehicular Traffic	Internal	24 hours
Solids Content	ASTM D6511	100%
VOC	ASTM D6511	0 g/L
Tensile Strength	ASTM D412	1,850 psi
Elongation	ASTM D412	127%
Tear Strength, Die C	ASTM D624	236 pli
Taber Abrasion, CS17 Wheel	ASTM D4060	34 mg loss

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

SURFACE PREPARATION

Provide clean, dry, and sound concrete substrate. Concrete shall be allowed to cure for a minimum of 28 days.

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.

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.

PACKAGING

3-gallon kit:

- Part A: 1 gallons liquid
- Part B: 2 gallons liquid

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.