

PRODUCT DESCRIPTION

FT-9227-NS is a fast setting, two-component, non-sag polyurethane sealant.

USES

- Parking Garage Decks
- Airports
- Bridge Headers
- Saw/Utility Joints
- Spalls

ADVANTAGES

- High solids
- Odorless
- Flexible at low temperatures
- Quick cure time
- Non-sag
- Meets SCAQMD Requirements
- Meets USDA, FDA, & CFIA Criteria

COLOR

Concrete Grey

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Value
Mix Ratio by Volume	NA	1:3
Tack Free Time @ 68°F	ASTM D1640	12-24 HOURS
Pedestrian Traffic	Internal	36 hours
Vehicular Traffic	Internal	46 hours
Solids Content	ASTM D6511	94%
Shore Hardness	ASTM D2240	40±5A
Tensile Strength	ASTM D412	300±50 psi
Elongation	ASTM D412	500±50%

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. Refer to Coverage Chart below for additional information.

PACKAGING

1.5-gallon kit

MIXING & APPLICATION

DO NOT dilute under any circumstances.

Pre-mix "B" side material before coming with "A" side material. "A" side material does not require pre-mixing. Add "A" side material to "B" side material while mixing using a mechanical mixer at low speed. Mix until a homogeneous mixture and color is achieved (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

DO NOT mix in an up and down motion.

Apply using a caulking gun, hand pressure-type, or pour from container.

This material may be applied at ambient temperatures between 40°F and 135°F. The product must be conditioned at 75°F to 80°F prior to use.

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 40°F to 100°F at (or below) 50% Relative Humidity. Store in a covered area (out of the sun), avoid direct sunlight and 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.

COVERAGE CHART

Joint Size (<i>Width x Depth</i>)	LF/gallon
1/4" x 1/4"	308 LF
1/4" x 3/8"	205 LF
1/4" x 1/2"	154 LF
1/4" x 5/8"	123 LF
1/4" x 3/4"	102 LF
1/4" x 7/8"	88 LF
1/4" x 1"	77 LF
3/8" x 3/8"	136 LF

FREEDOMTUFF™ FT-9227-NS



Joint Size (<i>Width x Depth</i>)	LF/gallon
3/8" x 1/2"	102 LF
3/8" x 5/8"	82 LF
3/8" x 3/4"	68
3/8" x 7/8"	58 LF
3/8" x 1"	51 LF
1/2" x 1/2"	77 LF
1/2" x 5/8"	61 LF
1/2" x 3/4"	51 LF
1/2" x 7/8"	44 LF
1/2" x 1"	38 LF
5/8" x 5/8"	49 LF
5/8" x 3/4"	41 LF
5/8" x 7/8"	36 LF
5/8" x 1"	30 LF
3/4" x 3/4"	34 LF
3/4" x 7/8"	29 LF
3/4" x 1"	25 LF
7/8" x 7/8"	25 LF
7/8" x 1"	22 LF
1" x 1"	19 LF