

Tennant-FLB™



Product: **Product** – Tennant-FLB, single component, liquid applied, moisture cured, aromatic urethane elastomeric waterproofing base membrane.

Features:

Seamless	Elastomeric
Non-Gassing	Fast-Curing

TECHNICAL DATA

Coverage Rate	30-60 ft ² per gallon
Volatile Organic Compound, VOC ASTM D2369-81	240 g/L (2.01 lb/gal)
Ultimate Elongation (ASTM D412)	500 ± 50%
Tear Resistance, Die C (ASTM D624)	250 pli ± 25 pli, 43.8 ± 4.4 kNm
Total Solids, Weight (ASTM D-2369)	81 ± 2%
Total Solids, Volume (ASTM D-2697)	71 ± 2%
Specific Gravity	1.26
Shore A Hardness (ASTM D2240)	55 ± 5
Tensile Strength (ASTM D412)	800 psi ± 100 psi 5.52 ± 0.7 MPa

GENERAL PRODUCT INFORMATION

STORAGE:	Materials should be stored indoors between 65°F (18°C) and 90°F (32°C).	
SHELF LIFE:	Six months from date of manufacture.	
PACKAGING	<u>Tennant-FLB</u>	<u>Tennant-FLB Accelerator</u>
OPTIONS / PART	9013179 (5 gallons)	9013704 (1 quart)
NUMBERS:	9013189 (50 gallons)	
LIMITATIONS:	<ol style="list-style-type: none">1. This product is applied as part of a system and requires a primer. Intermediate coat and topcoat.2. Concrete must exhibit 3000 psi minimum strength. Concrete surfaces to be coated must be free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.3. New concrete must be cured for 28 days.4. Uncured materials are sensitive to heat and moisture.	

IMPORTANT: READ AND FOLLOW ALL PRECAUTIONS AND INSTRUCTIONS BEFORE PROCEEDING.

**PLEASE SEE SAFETY DATA SHEET (SDS) FOR HANDLING PROCEDURES.
USE PRODUCT AS DIRECTED.
KEEP OUT OF THE REACH OF CHILDREN.**

PRELIMINARY FLOOR INSPECTIONS

CHECK THE TEMPERATURE: Floor temperature and materials need to be above 40°F (4.4° C). **NOTE:** Higher temperature application will yield shorter work times.

CHECK THE CONCRETE: Concrete must be structurally sound and sloped for proper drainage. Tennant assumes no liability for substrate defects. If you suspect the concrete has been sealed or coated, call Tennant Company tech support for further instructions.

CHECK FOR MOISTURE: Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. In-situ relative humidity testing is recommended. Readings must be below 75% relative internal concrete humidity. Test methods can be purchased at www.astm.org, see F2170, or follow manufacturer's instructions. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please call Tennant Company Technical Support for further information / instructions.

APPLICATION EQUIPMENT

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| • Protective clothing | • 18-24" 1/16" Notched rubber squeegee |
| • Spiked shoes | • Roller assembly (18") |
| • Jiffy® mixer blade [Tennant Part #08643-5 (5 gal)] | • Medium (3/8") nap roller |
| • Slow speed drill (500 rpm or less) | • Paint (chip) Brushes |

ASSEMBLE EQUIPMENT: Due to the limited pot life of the material, all application equipment, etc. should be ready for immediate use. (Clean roller with tape to remove any residual lint.)

SURFACE PREPARATION

Tennant-FLB must be applied over Eco-FLP™-E or Eco-FLP™-U. See appropriate Product Guide for details.

REPAIRS

See Eco-Flex System Guide for repair instructions.

APPLICATION – BASE COAT – TENNANT-FLB

COVERAGE RATE: Depending upon substrate conditions and system being applied, the following coverage rates for the base coat are the "minimum recommended coverage rates". Light-duty: 60 sq. ft. per gallon, Medium-duty: 50 sq. ft. per gallon, Heavy-duty: 30 sq. ft. per gallon.

PREMIX using a Jiffy® mixer blade and slow speed drill. (This is required for 5-gallon (18.9 litres) units. Roll or use a drum mixer to mix the 55-gallon units.)

MIX THOROUGHLY UNTIL A HOMOGENEOUS MIXTURE AND COLOR IS OBTAINED. Use care not to allow the entrapment of air into the mixture.

ADD 1 QUART TENNANT FLB ACCELERATOR to 5 gallons Tennant-FLB and mix 2-3 minutes until the accelerator is no longer visible. **NOTE:** The accelerator does not need to be used; however, *Tennant-FLB will be very slow to cure without it.*

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

PUSH THE 1/16" (1.60 mm) NOTCHED SQUEEGEE at an even speed with down pressure to spread the material.

START THE SECOND AND REMAINING PASSES by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar and push at an even speed with slight down pressure. **NOTE:** *The use of spiked shoes will allow freedom of movement on the wet floor.* **CAUTION:** *The surface will be slippery.*

BACKROLL THE MATERIAL with a 3/8" (10 mm) nap roller for a smooth uniformed appearance. Backrolling is required to even out squeegee lap marks and the coating mil thickness.

At 70°F (21°C) and 50% relative humidity, allow coating to cure a minimum of 16 hours before proceeding to subsequent coats. To obtain proper adhesion between coats, it is imperative that recoating be done within 24 hours.

TECHNICAL SUPPORT

For any preparation or application questions, please call Tennant technical support at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).

DISPOSAL

Dispose of all excess material, packaging and other waste in accordance with federal, state and local regulations.

MAINTENANCE GUIDELINES

Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).

Care: Proper maintenance will increase the life and help maintain the appearance of your new Tennant floor coating. Sweep and scrub your new coating regularly, as dirt and dust are abrasive and can quickly dull the finish, decreasing the life of your coating. Remove spills quickly as certain chemicals may stain and could possibly permanently damage the finish.

Use soft nylon brushes or white pads on your new floor coating. Any brush more abrasive than a soft nylon or white pad can cause premature loss of gloss.

Detergent: Tennant has a full range of detergents--general purpose to heavy duty--for your cleaning needs. For assistance in determining which detergent is right for your facility or for additional technical information call: 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).

Caution: Avoid scratching or gouging the surface. All floor coatings will scratch if heavy objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may causing chipping or concrete popouts in the case of a weak cap.

Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

Repair: Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Tennant offers a limited warranty on all products. Please see the Tennant Coatings Limited Product Warranty Statement on our website at www.tennantcoatings.com/warranty. Please contact the Tennant Coatings Technical Support team for additional questions at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).