

1. Product Name

Treadstone® Technical Felt

2. Manufacturer

Formulated Materials, LLC
3010 NW 149th St., SUITE 100
Oklahoma City, OK 73134
Tech Services : (844) 405-3676
www.formulatedmaterials.com
www.formulated.info

3. Product Description

Treadstone® Technical Felt Multi-Purpose Moisture-Controlling Mat is a reinforced, durable, leak-proof, vapor-retarding mat engineered to expedite subfloor preparation in renovation and new construction projects. Its double-layer polypropylene construction effectively shields substrates to prevent absorbing moisture out of underlayment to ensure even, consistent curing for an overall stronger underlayment.

Key Features

- Reduces preparation time and labor.
- Moisture Control – Slows vapor transmission, preserving underlayment performance.
- Surface Isolation – Shields porous and contaminated subfloors from interacting with the underlayment.
- Versatility – Use in residential and commercial applications.
- Durability – Highly tear- and chemical-resistant.
- UL approved to remain as part of the fire-rated assembly.

Where to Use

- Single Family
- Multifamily
- Commercial

Application: Level-Over-Floating-Floor

Treadstone® Technical Felt can be used in a unique “level-over-floating-floor” application to quickly level and protect new or sensitive flooring in lease-based commercial or tenant improvements. Ideal for temporary leveling needs in retail spaces, office build-outs, or any scenario requiring non-destructive renovation strategies.

- Technical Felt is placed over the existing floor before applying a self-leveling compound.
- Serves as a separation layer between the existing floor and the leveler, preserving the original surface.
- Eliminates the need for mechanical surface prep, reducing labor, dust, and equipment wear.
- Dramatically lowers removal and replacement costs at lease turnover.
- At the end of the term, roll up the Technical Felt and leveler together to reveal the untouched original floor.



Product Composition

- Polypropylene

Product Limitations

- Do not apply Treadstone® Technical Felt over any surface containing asbestos.
- When used as a permanent vapor barrier, Treadstone® Technical Felt should be installed by a licensed Formulated Materials installer.

Storage

- Store in a dry location.

Shelf Life

- 12 months from date of manufacture.

Packaging

- 59.4" x 165' Rolls / 30 Rolls per Pallet.

4. Technical Data

Applicable Standards

- EN 1849-2: Standard Test Method for Flexible Sheets for Waterproofing – Determination of Thickness and Mass per Unit Area.
- EN 1311-2: Standard Test Method for Flexible Sheets for Waterproofing, Determination of Tensile Properties Plastic and Rubber Sheets for Roof Waterproofing.
- EN 12310-2: Standard Test Method for Flexible Sheets for Waterproofing, Determination of Resistance to Tearing - Plastic and Rubber Sheets for Roof Waterproofing.
- EN 1931 / 12572: Standard Test Method for Flexible Sheets for Waterproofing, Bitumen, Plastic and Rubber Sheets for Roof Waterproofing – Determination of Water Vapor Transmission Properties.

Technical Chart

Property	Test Methods	Results
Color		Gray
Weight	EN 1849-2	4.42 oz/yd ² +/- 12%
Tensile Strength	EN 12311-2	486 lbs/ft +/-15%
Tensile Strength CMD	EN 12311-2	322 lbs/ft +/-15%
Elongation	EN 12311-2	18% +/-15%
Elongation CMD	EN 12311-2	15% +/-15%
Tear Strength	EN 12310-2	74 lbs. +/- 20%
Tear Strength CMD	EN 12310-2	83 lbs. +/-20%
Vapor Permeability	EN 1931	590.5 in +/- 20%
Water Penetration		Class W3

Environmental Considerations

Formulated Materials is dedicated to environmental responsibility in product development and manufacturing processes.

5. Instructions

General Surface Prep

Ensure the surface is clean, dry and structurally sound. Repair any cracks, spalling, or unstable areas. Remove dust, dirt, oil, grease, and contaminants. Use mechanical methods (grinding, sanding) if needed. Verify moisture levels meet product requirements. Address excessive moisture if necessary. Apply primer as specified and allow it to dry thoroughly. Maintain recommended temperature and humidity. Avoid extreme conditions. Perform a final check to clear debris and confirm the surface meets all preparation guidelines before application.

Installation of Product

Always read the Safety Data Sheet (SDS) for full precautionary instructions before use.

Tools Required

- Measuring Tape
- Knife - to cut matting to shape
- Formulated Materials Sound Mat Seam Tape

Subfloor Preparation

Substrate must be clean, dry, and structurally sound.

Installation

- Unroll Treadstone® Technical Felt directly over the subfloor.
- Lay Technical Felt in a loose-laid configuration, ensuring that seams are tightly butted together with no visible gaps or overlaps.

Seam Treatment

Use Treadstone Sound Mat Seam Tape to secure the seams.

Perimeter Isolation

- Technical Felt should be extended up the intersection of any perimeter walls by a minimum of 1/4" above the surface of the poured gypsum underlayment, providing seamless perimeter isolation.
- All room perimeters, intersecting walls, fixed objects (e.g., columns, cabinets), and mechanical/electrical penetrations must be isolated to prevent leaking and moisture absorption during the pour.

Final Checks

- Confirm that all seams are sealed, and the surface is ready to receive the gypsum underlayment.
- Do not walk excessively on the Technical Felt after seam taping to avoid shifting before pour.

For further guidance or recommendations, please contact Formulated Materials.

Storage & Handling

- Store in dry conditions.
- Store away from direct sunlight.

Shelf Life

- 12 months from date of manufacture.

Health Precautions

- Follow all local safety regulations, including OSHA Section V: Chapter 4 for Fall Protection in Construction.
- Follow the manufacturer's Safety Data Sheets (SDS) and safety protocols for PPE.

Conformance to Building Codes

Installation must comply with all applicable local, state, and federal codes, regulations, and industry standards.

6. Availability

Item	Description	Size	Rolls Per Pallet
10211	Technical Felt	59.4" x 165'	30

59.4" x 165' roll (816 ft²) / 30 rolls pallet (24,480 ft²)

7. Product Warranty

For details and complete warranty information, visit www.formulatedmaterials.com.

8. Product Maintenance

Properly installed products do not require ongoing maintenance.

9. Technical Services Information

For Technical Services, contact Formulated Materials at (844) 405-3676.

10. Filing System

Additional product information is available from Formulated Materials upon request.



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