

1. Product Name

ELITE MAX™
PREMIUM ACOUSTIC UNDERLAYMENT

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® Elite Max™ is the highest-performance acoustic underlayment in the Treadstone® lineup, engineered to deliver exceptional sound attenuation in high-end residential, commercial, and mixed-use projects. Meeting International Building Code (IBC) standards for Impact Insulation Class (IIC) and Sound Transmission Class (STC), Elite Max™ reduces both impact and airborne sound transmission. It is compatible with UL-listed cementitious underlayment systems, such as; gypsum, lightweight concrete, and structural concrete. It is compatible with many floor coverings, including; luxury vinyl, wood, tile and carpet.

Key Features

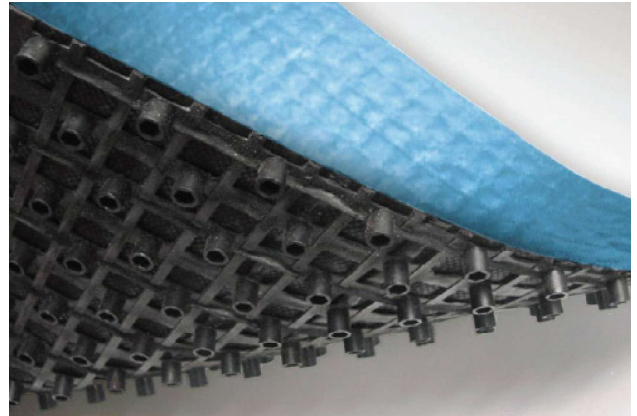
- Maximum Acoustic Performance – Optimized STC and IIC enhancement.
- Advanced Compatibility – Works with luxury vinyl, tile, wood, and carpet.
- Seam Sealing Made Easy – Self-adhesive seam flap and isolation tape ready.
- Environmental Responsibility – Contains over 50% post-industrial recycled content.
- Premium Durability – High-density polyolefin for long-term support.

Where to Use

Treadstone® Elite Max™ is suitable for a range of applications, particularly where sound insulation and structural performance are critical.

Typical Applications Include:

- Floor-Ceiling Systems: For use in residential, commercial, and mixed-use buildings to reduce sound transmission.
- Underlayment Support: Designed to work with UL-classified cementitious underlayment (gypsum, lightweight concrete, structural concrete) with pour depths ranging from 1" to 2"+.
- Flooring Compatibility: Supports a variety of flooring types, including luxury vinyl, wood, tile, and carpet.



PERIMETER ISOLATION:

To ensure the optimal performance of Treadstone® Elite Max™ in sound isolation, it is critical to provide perimeter isolation. This involves leaving a ¼" gap between the acoustic matting and the walls or other vertical surfaces, ensuring the matting does not bridge to the structure. Additionally, perimeter isolation foam should be used to prevent sound flanking through the building structure. All utility penetrations should be properly sealed to maintain the system's sound isolation integrity.

Suitable Substrates

- Properly prepared wood, concrete, steel, or gypsum.

Product Composition

Polyolefin – 50% or greater post-industrial waste (pre-consumer).

Product Limitations

- Indoor Use Only.
- Do not use as replacement for proper moisture mitigation.
- Not intended to be used as a flooring wear surface.
- Correct Installation Required: Improper installation may compromise acoustic and fire performance ratings.

Packaging

- 3' x 150' / 16 rolls per pallet / 57,600 sf/FT

4. Technical Data

Technical Chart

Property	Results
Appearance	Studded membrane fabric one side
Color	Black
Thickness	0.375" (3/8")
Coverage Area	150 sq ft. Roll.
Roll Weight	43 lbs. including core
Pallet Quantity	16 Rolls / 2,400 sf.
Truckload Quantity	384 Rolls / 57,600 sf.

Sound Performance Data

See Treadstone® Sound Test Data TDS for most current test information.

Environmental Considerations

FORMULATED MATERIALS is dedicated to environmental responsibility in product development and manufacturing processes. When used per applicable guidelines, this product may contribute to LEED® certification.

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 Membrane Seam Tape.
- Formulated Materials Perimeter Isolation Strip.

Surface Prep

- Ensure the subfloor is clean, dry, structurally sound, and free of debris.
- Wood subfloors must have tongue-and-groove edges for stability.
- Any cracks or irregularities should be repaired before installation.

Installation

- Lay Out the Matting: Position Elite Max™ with the fabric-side facing downward.
- Seam Connection: Use the built-in adhesive flap to secure the seams. If damaged, use Treadstone® Sound Membrane Seam Tape.
- Perimeter Isolation: Maintain a 1/4" gap around the perimeter and at floor penetrations to prevent sound bridging.
- Perimeter Isolation Strip: Install onto drywall and/or wood floor plates at the perimeter of the pour to prevent sound transmission — see Perimeter Isolation Strip TDS for specific installation details.
- Underlayment Application: Follow standard guidelines for pouring cementitious underlayment over Elite MAX™

Storage & Handling

- Store in dry conditions.

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.

For additional technical support, contact

Formulated Materials or visit FormulatedMaterials.com

6. Availability

Item	Description	Size
10214	Treadstone® Elite Max™	150 sf .Roll

16 rolls per pallet / 384 rolls full truckload

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.

UL DESIGNS

G230	G516	G535	G553	G556	G562	H592	H502
J919	J920	J927	J931	J957	J958	L505	L506
L510	L511	L512	L513	L514	L515	L516	L518
L523	L524	L525	L526	L527	L529	L530	L534
L535	L536	L537	L538	L539	L540	L541	L542
L543	L545	L547	L549	L551	L556	L557	L559
L560	L562	L563	L565	L568	L573	L574	L583
L585	L587	L588	L592	M503	M504	M506	M508
M510	M513	M517	M522	M530	M531	M535	M536
M538	M550						



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