

### DESCRIPTION

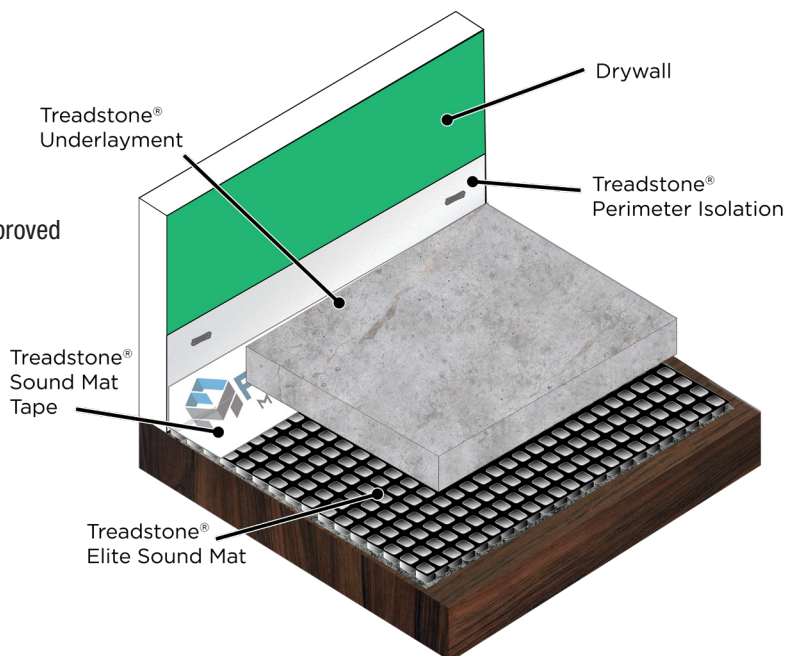
**Treadstone® Elite** – An innovative new multi-layer sound attenuation mat comprised of a monolithic, rolled polyethylene and polypropylene, high compression resistance cusped HDPE design bonded to a 95 gram non-woven polypropylene fabric. Treadstone Elite lays flat and smooth during installation, speeding installation time and ensuring proper underlayment depths are maintained during application. Provides industry leading compression/deflection resistance and acoustical performance never before seen in an acoustical sound mat product.

**Benefits:**

- Light / flexible for easy installation
- 20,000lbs per sf for 1mm of deflection
- 12x stronger than commonly specified alternatives
- Permanent moisture and odor barrier
- 80% post-consumer recycled content
- UL Listed in 117 designs
- Can increase IIC values up to 12db in wood framed construction

Treadstone® Elite Sound Attenuating Mat in conjunction with an approved Treadstone® Underlayment, is recommended and approved in:

- Multi-Family Construction-Apartments-Hotels-Condominiums
- Residential and Single Family
- Commercial Office Space
- Renovation of old wood frame or concrete structures



### ACOUSTICAL PERFORMANCE

Assembly	Treadstone® Underlayment	Treadstone® Sound Attenuating Mat	Finished Floor Covering	STC	IIC	HIIC
18" Truss Joist, 24" O.C., T&G deck, single layer batt insulation, RC-1, 5/8" Ceiling Board	3/4"	None	Vinyl	50	44	
			Tile		41	
			Engineered Wood		49	
	1"	Treadstone® Elite	Vinyl	60	52	54
			Tile	61	53	54
			Engineered Wood	60	54	63
	1"	Treadstone® Elite	Vinyl	60	54	56
			Tile	61	55	57
			Engineered Wood	60	57	62

## TYPICAL PHYSICAL PROPERTIES

Thickness	inches	.25 in. (1/4")
Roll area	ft <sup>2</sup>	400
Roll weight	lbs	56
Rolls per pallet	n	6 standing

## INSTALLATION

### SURFACE PREPARATION

Clean, remove all foreign matter from surface. Surface must be dry.

### APPLICATION

Treadstone® Elite Sound Attenuating Mat is to be installed by a qualified Treadstone® Dealer. The building must be closed in with a minimum of 50 degrees F, maintained for a period of 5-7 days during and after the installation of Treadstone® Elite and Treadstone® Underlayment. Elite is loose laid on the subfloor with seams tightly abutting and fastened by approved tape overlapping both abutting pieces of Elite by at least 1". The perimeter of rooms, adjoining walls, all fixed objects, and mechanical penetrations must be isolated with an approved Treadstone™ Perimeter Isolation solution.

### STORAGE

Store in dry conditions.

## LIMITATIONS

- Treadstone® Elite is only one component of the floor ceiling assembly and overall noise reduction strategy. While using Treadstone® Elite will improve the overall acoustics performance of the assembly, the exact amount or minimum performance cannot be guaranteed. Formulated Materials recommends contacting an acoustical consultant for recommendations regarding the acoustical performance of any and all projects.
- To minimize risk of damage to the Treadstone® Underlayment, installation of Elite Duo and underlayment is recommended after drywall. For installation prior to drywall, contact Formulated Materials for recommendations.
- Treadstone® Underlayment thickness/compressive strength recommendations
  - Residential/Multifamily Construction: .75" (38mm) at 2,000 psi minimum
  - Light Commercial: .75" (38mm) at 3,000psi minimum

## UL DESIGNS

G230	G516	G524	G561	G577	G578	G579	G580	G581	G582	G587	G592	H502	J917	J919
J920	J924	J927	J931	J957	J958	J991	J994	L006	L201	L202	L206	L209	L210	L211
L212	L501	L502	L503	L504	L505	L506	L507	L508	L509	L510	L511	L512	L513	L514
L515	L516	L517	L518	L519	L520	L522	L523	L524	L525	L526	L527	L528	L529	L530
L532	L533	L534	L535	L536	L537	L538	L539	L540	L541	L542	L543	L545	L546	L549
L550	L551	L552	L556	L557	L558	L560	L562	L563	L565	L570	L573	L574	L576	L577
L579	L581	L583	L585	L587	L588	L589	L590	L592	L593					
M500	M502	M503	M504	M506	M508	M511	M512	M513	M515	M517	M519	M530	M531	M535
M536														