

## DESCRIPTION

Treadstone<sup>®</sup> Sitemix Leveler is a uniquely designed polymer modified pourable underlayment that is mixed onsite with locally sourced sand. The proprietary high cement, high polymer formulation maximizes hardness, flow, and durability while maintaining the robust, low prep, non-shrinking properties of gypsum-based underlayments, and eliminates the “soft, chalky” characteristics associated with gypsum products.



Treadstone<sup>®</sup> Sitemix Leveler is approved for use over concrete, wood, corrugated steel deck, and Treadstone<sup>®</sup> Sound Attenuating Mats (thickness limitations apply). Because it is blended onsite Sitemix Leveler is an economical choice for fast paced projects, and its dense durable surface stands up to trade traffic during the construction process.

- Variety of Mix Designs yielding compressive strengths ranging from 3,000 to 4500 psi
- Recommended thickness of 3/8" to 1-1/2" in a single pour, thinner applications depend on aggregate size and site conditions
- Recommended for use over 9/16" corrugated metal deck construction
- Recommended for radiant heating systems, minimum 3/4" required over the top of radiant tubing
- Mixed onsite with locally sourced aggregates, reducing carbon footprint and cost
- Ideal for deep fills, smoothing out of level, old, or damaged concrete substrates
- Requires little to no surface prep, prime with recommended primer, and pour
- Fast setting, light trade traffic in 1 hour, normal trade traffic in 24 hrs.
- Dense, smooth surface meeting the toughest of floor covering tolerances
- Provides enhanced Sound Attenuation (STC & IIC) between floors
- UL listed in over 116 designs, for specific design or data contact us at [technical@formulatedmaterials.com](mailto:technical@formulatedmaterials.com).
- Installed by a technically trained Network of Licensed Dealers

Treadstone<sup>®</sup> Sitemix Leveler 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

## TECHNICAL DATA

### PHYSICAL PROPERTIES

<b>Color</b>	Grey
<b>Physical State</b>	Powder
<b>Flow</b>	High Flow, Self Leveling Properties
<b>Water Per Bag</b>	4.5 to 6.5 US Gal. Per 80lb Bag
<b>Sand Per bag</b>	.8 to 1.4 cu. ft. of Washed Mason or Concrete Sand meeting minimum gradation criteria
<b>Strength</b>	ASTM C472M - 3000 to 4500 psi
<b>Dry Density</b>	115 to 125 lb. per cu. ft.
<b>Recommended Depths</b>	3/8" to 1-1/2" in a single pour
<b>Surface Burning Characteristics</b>	ASTM E84 - Flame Spread: 0, Fuel Contribution: 0, Smoke Density: 0
<b>Fire Resistive Assemblies</b>	Refer to UL Fire Resistive Directory, listed in over 116 designs

## PACKAGING

80lb Bags; 49 bags per pallet  
3000lb Supersacks

## INSTALLATION

### SURFACE PREPARATION

Clean, remove all foreign matter from surface. Surface must be dry. Use Treadstone® recommended primer prior to pour. All substrate penetrations must be sealed or blocked off prior to pour. **With new dust regulations it is important not to use oil based floor sweeps, as proper adhesion of the underlayment to the subfloor or finished floor covering to the underlayment will be unachievable.**

If moisture vapor conditions exist, test to ensure proper MVER limits, not to exceed 5 lbs. per sq. ft. for 24 hours per ASTM F-1869.

### APPLICATION

Treadstone® Sitemix Leveler is to be installed by a trained, licensed 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® Sitemix Leveler. Adequate ventilation is required to ensure proper curing, for more information regarding drying conditions contact Formulated Materials or refer to our Recommended Jobsite Conditions Document. Once Sitemix is installed and fully cured, use an approved Treadstone® Surface Sealer prior to the installation of all glue down and thin set floor coverings. Floor Covering Manufacturer's recommendations supersede all others.

### STORAGE

Store in dry conditions. Shelf life 6 months when stored in normal conditions.

## LIMITATIONS

- No Single Installation (or lift) of Treadstone® Sitemix Leveler should exceed 1-1/2" in depth, contact Formulated Materials for designs requiring greater depths.
- A moisture vapor barrier is required for installations above a crawl space, or where moisture vapor conditions exist, such as slab on grade.
- After installation of Sitemix Leveler, and before construction resumes, provide adequate protection from heavy wheeled or concrete loads.
- Do not install on or below grade level, except when well drained properly prepped applications occur (Contact Formulated Materials for specific requirements).
- Minimum L/360 Deflection Criteria for framed floor ceiling assemblies is required.
- Not intended as a wear surface or finished floor, Sitemix must be covered with a properly installed floor covering.
- Not intended for exterior applications or any situation where long term exposure to water is possible.
- Sitemix Leveler is one component of the fire and sound rated floor-ceiling assembly, proper installation practices have to be incorporated with each component to meet performance criteria.

## RELATED PRODUCTS

- Treadstone® Primer/Sealer
- Treadstone® Sound Attenuating Systems
- Treadstone® TP1 Primer/Sealer (wood substrates)
- APS Primer/Sealer (all substrates)

## PROJECT SPECIFICATIONS

- Project Name \_\_\_\_\_
- Pour Depth \_\_\_\_\_"
- Compressive Strength \_\_\_\_\_ psi

## 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					

**TREADSTONE®**