

DESCRIPTION

Treadstone™ Sitemix Ultra is a technologically advanced polymer modified hydraulic cement formulation providing increased early strength to withstand construction traffic. Due to its innovative technology, Sitemix Ultra can be installed prior to the building being fully enclosed. Sitemix Ultra provides the ultimate dense smooth surface ready to tackle the toughest floor covering challenges.



Treadstone™ Sitemix Ultra is approved for use over fully cured or existing concrete, wood, or other clean structurally sound substrates meeting L/360 deflection criteria.

- Hybrid Cement Technology
- Fast setting, light trade within hours
- Compressive Strengths up to 5000psi when fully cured
- Recommended thickness 3/8" to 1-1/2" in a single pour
- Batch Mixed Onsite with locally sourced sand
- Low-prep formulation; bead blasting not required for pedestrian traffic use
- Ideal for smoothing out of level, old, or damaged concrete substrates
- Dense, smooth, abrasion and crack resistant surface
- No hand troweling required
- Unmatched technology, cost effective underlayment solution
- Installed by a technically trained Network of Licensed Dealers

Treadstone™ Sitemix Ultra is recommended and approved in;

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

TECHNICAL DATA

PHYSICAL PROPERTIES

Color	Gray
Physical State	Powder
Flow	Self-Leveling
Water per Bag	3 to 4.25 US Gal.
Sand per Bag	0.80 to 1.40 ft ³ of approved washed mason or concrete sand
Compressive Strength	ASTM C109, air cure 28 days - up to 5,000psi
Density	110 to 125 lb./cu. ft.
Recommend Thickness	3/8" to 1 1/2" in a single lift, contact Formulated Materials for recommendations

PACKAGING

80lb Bags; 49 bags per pallet
2960/2800 lb Supersacks

INSTALLATION

SURFACE PREPARATION

Clean, remove all foreign matter from surface. Surface must be dry. All loose or weak material on substrate must be mechanically removed. All substrate penetrations must be sealed or blocked off prior to pour. For patching, a cement-based patching compound is recommended. Use a Treadstone™ recommended primer 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. Substrate must not contain efflorescence prior to installation.

APPLICATION

Treadstone™ Sitemix Ultra is to be installed by a trained, licensed Treadstone™ Dealer. Sitemix Ultra maybe installed prior to building being closed in, however a minimum of 50 degrees F is required, and must be maintained for a period of 48 hours during and after the installation of Sitemix Ultra. 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 Ultra is installed and fully cured, use a Treadstone™ Surface Sealer prior to the installation of all glue down or thin set floor coverings. All instructions or recommendations by the floor goods manufacturer supersede this recommendation.

STORAGE

Store in dry conditions.

LIMITATIONS

- No Single Installation (or lift) of Treadstone™ Sitemix Ultra should exceed 1 1/2" in depth, contact Formulated Materials for designs requiring greater depths.
- Intended for above grade applications, in applications where Moisture Vapor Emissions are possible, a moisture vapor barrier is required. Substrate Maximum MVER of 5 lbs. per sq. ft. per 1000 sq. ft. for 24 hrs. per the calcium chloride test method, ASTM F-1869. Floor covering manufacturer's recommendations supersede when lower.
- After installation of Sitemix Ultra, 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. Reinforcing Lath is recommended for damaged or weak areas in wood framed construction.
- Not intended as a wear surface or finished floor, Sitemix Ultra must be covered with a properly installed floor covering.
- Not for use as a structural element.
- Not intended for exterior applications, however suitable for areas where periodic exposure to moisture is anticipated.
- For applications other than foot or light rubber wheeled traffic, the substrate must be mechanically profiled to a minimum ICRI CSP 3 to enhance the bond to the substrate.
- All moving cracks or expansion joints in the substrate have to be honored through Sitemix Ultra.

RELATED PRODUCTS

- Treadstone™ Primer/Sealer

PROJECT SPECIFICATIONS

- Project Name _____
- Pour Depth _____”
- Compressive Strength _____ psi

