

## DESCRIPTION

Treadstone<sup>®</sup> 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 where there is a possibility for water saturation prior to the building being fully enclosed. Sitemix Ultra provides the ultimate dense smooth surface ready to tackle the toughest floor covering challenges.

**TREADSTONE<sup>®</sup>**

Treadstone<sup>®</sup> 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 up to 2" in a single pour
- Factory proportioned ingredients mixed on-site by automated batch controlled proportioning equipment
- 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

Treadstone<sup>®</sup> 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	3.5 to 4.5 US Gal.
Sand per Bag	0.80 to 1.40 ft <sup>3</sup> 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 2" in a single lift, contact Formulated Materials for recommendations

## PACKAGING

80lb Bags; 49 bags per pallet  
2960lb 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 substrates must exhibit tensile bond strengths of 175 psi or greater. All substrate must be sealed or blocked off prior to pour. If moisture vapor conditions exist, test to ensure proper MVER limits as communicated by the manufacturer of the final floor covering.

### PRIMER

All substrates must be primed with a Treadstone® approved primer before the application of Sitemix Ultra. For application details, please refer to the selected primer's Technical Data Sheet.

### APPLICATION

Treadstone® Sitemix Ultra is to be installed by a trained contractor. 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.

### STORAGE

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

## LIMITATIONS

- 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.
- Sand must be manufacturer approved
- After installation of Sitemix Ultra, and before construction resumes, provide adequate protection from heavy wheeled or concrete loads.
- 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 without the installation of a wear surface coating. Sitemix Ultra must be covered with a properly installed floor covering.
- 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 shall be honored through Sitemix Ultra.

## RELATED PRODUCTS

- HydroPhase® APS
- HydroPhase® APMB

## PROJECT SPECIFICATIONS

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

**TREADSTONE®**