

Senerflex Tersus Finish

Enhanced Hydrophobic Anti-Soiling Technology

COLORS

Available in a wide range of standard and custom colors.

TEXTURE

T0.5 - 0.5 mm
F1.0 - 1.0 mm
M1.5 - 1.5 mm
R1.5 variable rilled

PACKAGING

5 gallon pail (19 liter pail)

COVERAGE PER PAIL

Coverage rates vary depending on porosity of substrates and application techniques.

T0.5: Smooth - 400 ft² (37 m²)

Skip Trowel - 170 ft² (15.8 m²)

F1.0: 160 ft² (14.9 m²)

M1.5: 130 ft² (12 m²)

R1.5: 130 ft² (12 m²)

VOC

<50 grams per liter less water and exempt solvents.

SHELF LIFE

Two (2) year when properly stored in original container.

DESCRIPTION

Senerflex Tersus finishes are a line of modified acrylic textured finishes designed to provide excellent water repellency and enhanced resistance to environmental soiling. The water repellent properties of the finishes make the surface hydrophobic as well as more resistant to mold and mildew. When rain water contacts the surface, it beads and carries away dirt, soil and debris in its pathway. The built in anti-soiling properties of the finishes resist dirt and staining reducing maintenance costs and extending a building's aesthetic appeal.

USES

Senerflex Tersus finishes provide enhanced protection for an aesthetically pleasing surface color and texture for Senergy Wall Systems, poured concrete or unit masonry, conventional stucco and properly prepared insulating concrete forms.

ADVANTAGES

Highly water repellent.

Enhanced mold and mildew resistance.

Resists dirt pick up and soiling.

UV resistant, resists fading.

Modified acrylic polymer-based chemistry; provides long-term durability and weather resistance.

Vapor permeable.

Water-based and low VOC; safe for workers and the environment.

Factory mixed; ready to use, no additives to mix.

TEST RESULTS

TEST	METHOD	CRITERIA	RESULT
VOC	ASTM D3960 (based in part on EPA method 24)	Report Value	<50 grams per liter less water and exempt solvents
Surface Burning Characteristics	ASTM E 84	Report Value	Flame Spread < 25 Smoke Development < 450 (Class A)
Accelerated Weathering	ASTM G 155	No deleterious effects after 2000 hours.	Pass
Abrasion Resistance	ASTM D968	No Cracking or loss of film integrity at 528 qt. (500L) of sand	Finish not worn through after 686 liters of falling sand
Water Resistance of Coating in 100% R.H.	ASTM D 2247	No deleterious effects after 14 days exposure	Pass
Dirt Collection	ASTM D3719	61 days at 45° South exposure; report dirt collection index (Dc)	Dc Index = 99.0 (100 = Best Performance)
Salt Fog Resistance	ASTM B117	No deleterious effects after 300 hours	Pass
Tensile Bond	ASTM C297, E2134	15 psi minimum	> 15 psi
Dirt Pickup Resistance	Miami Dade County TAS 143-95 section 7.8 (modified)	Report % reflectance	Greater than 90% reflectance retained after dirt exposure

MIXING

Thoroughly mix the factory prepared finish with a paddle and low speed drill to a uniform workable consistency. A thick consistency is desired; however, a small amount of clean potable water may be added to adjust workability. Do not exceed 10 oz. of water per 5-gallon pail.

- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use. Dried material can only be removed mechanically.

SURFACE PREPARATION

Substrates must be clean, dry, sound and free of loose material, releasing agents, paint, efflorescence, contaminants and other coatings. Use of Master Builders Solutions Tinted Primer or Stucco Prime can improve color uniformity by minimizing substrate read-through in light colors.

- Concrete: allow to cure a minimum of 28 days prior to application of Senergy primer or finish.
- Unit Masonry: allow to cure prior to application of Senergy primer or finish permitted.

- Stucco: allow to cure a minimum of 6 days prior to application of Senergy primer or finish.

APPLICATION

1. Apply Senerflex Tersus finish directly to the substrate or primed substrate with a clean, stainless steel trowel. Apply and level finish during the same operation to minimum obtainable thickness consistent with uniform coverage.
2. Maintain a wet edge on finish by applying and texturing continually over the wall surface. Work finish to corner, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area.
3. Float finish to achieve final texture.

DRYING TIME

Typically 4 to 10 hours. Protect from rain and from temperatures less than 40°F (4°C) for 24 hours after installation and until dry.

HYDROPHOBIC EFFECT

The hydrophobic effect is not immediate. It occurs through weathering approximately 30 days after application.

RECOATING SENERFLEX TERSUS FINISH

Prior to recoating or surfacing over existing Senerflex Tersus Finish, hydrophobic property must be neutralized to achieve bond. Wash down finish using a household dishwashing detergent, diluted to 1-part detergent to 10-parts clean water. Using a low-pressure spray hose (300-500 psi max), wet the surface with clean water followed by detergent wash. Make sure to do a thorough flushing of the surface with clean water to remove all traces of the detergent. Check the surface for any signs of beading and if present, repeat process until gone. Allow surface to completely dry and ensure it's protected from airborne debris. Recoat within 24 to 48 hours weather permitting.

LIMITATIONS

1. Protect from rain and from temperatures less than 40°F (4°C) for a minimum of 24 hours and until dry weathering.
2. Appearance of R1.5 might vary if floated by different mechanics.
3. Efflorescence of Portland cement-based substrates such as concrete, masonry units and stucco may cause staining or prevented by Senerflex Tersus finish.

4. When temperatures less than 40°F (4°C) prevail, provide supplementary heat during installation and drying period for at least 24 hours after installation and until dry.
5. Do not apply in ambient temperature above 100°F (38°C) or surface temperature above 120°F (49°C).
6. Do not apply Master Builders Solutions materials to frozen surfaces.
7. The use of dark colors with light reflective values (LRV) less than 20% is not recommended with EIFS that incorporate expanded polystyrene (EPS). EPS has a sustained service temperature limitation of approximately 165°F (74°C).
8. Not for use on damp surfaces, below-grade applications or on surfaces subject to water immersion.

SHIPPING & STORAGE

- Protect materials during transportation to avoid physical damage. Store in a cool, dry place protected from freezing, extreme heat and direct sun. Store at no less than 40°F (4°C).
- Do not stack pallets.

TECHNICAL SUPPORT

Consult Master Builders Solutions Technical Services Department at **+1 (800) 589-1336** for specific recommendations concerning all other applications. Consult the Wall Systems website at **senergy.master-builders-solutions.com**, for additional information about products and systems and for updated literature.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting **www.master-builders-solutions.com/en-us**, e-mailing your request to **mbsbscst@mbcc-group.com** or calling **+1 (800) 433-9517**. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

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