Finescreen 500 System

Impact resistant wall system incorporating a cement-board core, reinforced base coat, and 100% acrylic polymer exterior finish

System Overview

DESCRIPTION
FINESCREEN 500 System is an economical exterior wall system that provides impact- and weather-resistance where exterior insulation value is not required.

It combines the strength and durability of ASTM C1325 cement boards with the performance and beauty of Finestone’s 100% acrylic polymer reinforced base coats and textured finishes. Finishes are available in a limitless color selection and offer performance enhancement options, including increased resistance to dirt pick-up and mildew and added flexibility.

Behind the system, a weather resistant barrier with high tensile strength and complying with ASTM D226 protects the framing and cavity while serving as a component to evacuate incidental water. FINESCREEN 500 allows you to enclose and finish a project in as little as two days, speeding occupancy.

USES
For economical, impact resistant exterior walls in light commercial, institutional and residential construction in areas that are weather protected (e.g. hallways, soffits, pool area ceilings, etc.) or of limited size (e.g. balconies, penthouses, equipment- or privacy-screen walls, etc.)

LIMITATIONS
1. Cracking due to dimensional stress at board joints might appear in the finished exterior surface.
2. Consult cement board manufacturer regarding framing requirements e.g. stud spacing, fastening systems, and minimum framing gauge.
3. Secondary moisture barrier must be high tensile strength in order to resist damage prior to the installation of the cement board.
4. Installation of the FINESCREEN 500 System is limited to low-rise construction except in cases of limited size and/or weather protected areas such as screen walls, soffits, fascia, protected areas, balcony areas, penthouse areas, etc.
5. Stud read-through is possible.
6. Thin veneer construction may reveal planar irregularities in the frame construction.

DIRECTIONS
General
Install horizontal to studs in a shingle-like manner an approved secondary moisture barrier that maintains high tensile strength. Immediately attach approved cement board panels horizontally to studs with approved screws and treating the board joints with BASF SELF-ADHERING MESH TAPE and Base Coat.

[Option: Embed CORNER MESH in Base Coat at exterior corners prior to STANDARD MESH/Base Coat application.]

Embed FINESTONE STANDARD MESH or BASF SELF-ADHERING MESH TAPE into FINESTONE A/BC, FINEBUILD or A/BC 1-STEP Base Coat over entire wall surface.

Apply FINESTONE Coatings into sealant joints after Base Coat has dried.

[Apply BASF TINTED PRIMER to the dry Base Coat/Reinforcing Mesh.]

Apply PEBBLETEX and AGGRELASTIC Finish in selected color and texture according to specifications when Primer and/or Base Coat are dry.
**SYSTEMS SPECIFICATIONS**
To perform in the expected manner, the FINESCREEN 500 System must be applied according to Finestone specifications, using only the listed and approved materials and components.

**COMPONENTS**
The FINESCREEN 500 System incorporates an ASTM D226 compliant secondary weather barrier that demonstrates high tensile strength, ASTM C1325 cement board, Finestone Base Coat, SELF-ADHERING MESH TAPE, STANDARD MESH Reinforcing Mesh and a textured finish from Finestone. Specifying BASF TINTED PRIMER can enhance appearance and performance. System terminations are designed with additional weather protection to provide additional protection at openings. Flashing components help remove penetrating water.

**Framing:**
Load-bearing or nonload-bearing construction is provided with wood or steel studs. See the specifications for maximum stud spacing and other considerations.

**Special Shapes:**
Used to enhance design aesthetics, such as moldings, cornices, quoins, ogees, etc. These shapes can be attached to the FINESCREEN 500 system. They must meet Finestone Specifications. They must be reinforced with Base Coat and Reinforcing Mesh prior to application of the BASF TINTED PRIMER and Finish.

**Design Considerations**
1. Maximum allowable deflection L/360, based on stud properties only.
2. Windows and doors may permit some water to pass through the frame material or joints. To reduce the potential for intruding water to degrade water-sensitive sheathing and framing, and to keep water out of the stud cavity, the rough opening must be properly protected and means provided to allow intruding water to escape.
3. Sill areas should be adequately flashed and weatherproofed.
4. Avoid details that trap water.
5. Follow the window and door manufacturer’s recommendations for proper installation.

**STORAGE**
Store material in a cool, dry place. Avoid direct sunlight. Maintain temperature above 4˚C (40˚F) (10˚C/50˚F for AURORA TC-100, AURORA STONE, and ALUMINA Finishes).

**TECHNICAL SUPPORT**
For answers to questions or specific recommendations about this assembly, please consult our website at www.finestone.basf.com or contact our Technical Services department: Toll-free 800-589-1336.

**HEALTH & SAFETY**
Follow good safety and industrial hygiene practices during handling and installing products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets (SDS) and related literature on products before specification and/or installation.
<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tr>
<td>Cement-board core</td>
<td>Reinforces impact and puncture resistance</td>
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<td>Unlimited colors, textures and</td>
<td>Support design freedom, create details that would be impossible or cost</td>
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<td>100% Acrylic base coats</td>
<td>Produce a weather-resistant barrier, provide crack resistance</td>
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<tr>
<td>100% Acrylic finish coats</td>
<td>Resist fading and abrasion, offer options for added dirt/mildew resistance</td>
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<tr>
<td>Attached directly to framing</td>
<td>Speeds application; reduces labor cost</td>
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