Finestone Finescreen 1000
Highly impact and puncture resistant, water-drainage wall system incorporating a cement board core, reinforced base coat and 100% acrylic polymer exterior finish

System Overview
**DESCRIPTION**

FINESTONE FINESCREEN 1000 Wall System is a high-impact, water-drainage wall cladding system that incorporates a water-resistive barrier and features a cement board (ASTM C1325) core installed with a polymer-modified base coat, fiberglass reinforcing mesh, and finishes. FINESCREEN 1000 SYSTEM provides extremely high impact and puncture resistance and increased dimensional stability without sacrificing design freedom.

Apply the system over the following acceptable sheathing: PermaBase® Cement Board and other cement boards conforming with ASTM C1325 (Type A - exterior); poured concrete/unit masonry; ASTM C1177 type sheathings, including Weather Defense® Platinum sheathing, GreenGlass® sheathing, eXP sheathing, GlasRoc® sheathing, Securock® glass-mat sheathing, and DensGlass® exterior sheathing; gypsum sheathing (ASTM C79/C1396); Exposure I or exterior plywood (Grade C/D or better); or Exposure I OSB.

**USES**

For exterior walls in new or retrofit commercial, institutional and residential low-rise construction such as hotels, hospitals, retail, schools, multi-family apartments and condominiums, and government facilities.

**ADVANTAGES**

- Very resistant to impact and punctures; good for high traffic areas
- Superior management of incidental moisture
- Integrates EPS shapes for economical detailing
- Cost-efficient - saves time and reduces scaffolding costs
- Durable
- 100% acrylic, reinforced base coats produce water-resistive barrier and provide crack resistance
- 100% acrylic finish coats resist fading and abrasion
- Excellent flexural, compressive and tensile strength
- Dimensional stability
- Wide selection of standard colors, custom colors, and finish textures

**DESIGN CONSIDERATIONS**

**General**
- Consult cement board manufacturer regarding stud spacing, minimum framing gauge and fastening systems and patterns.

**Expansion Joints**

Required in the following locations:
- Where movement is anticipated (e.g., floor lines, canopies, carpports, porte-cochères, etc.)
- Where FINESCREEN 1000 meets dissimilar materials (e.g., windows, doors, transitions to brick or other siding)
- Where substrate materials change
- At floor lines in wood frame construction where movement or cross grain shrinkage is anticipated
- At structural or existing expansion joints
- Minimum expansion joint size by design for anticipated movement.

**Control Joints**

- Place in accordance with guidelines described in Finescreen Trim Accessories technical bulletin.

**Horizontal Applications**

- Minimum slope: 1:2 with maximum width of 30.5 cm (12") [e.g. 15 cm in 30.5 cm (6" in 12") width].

**Substrate**

- Maximum substrate design deflection is L/360. Substrate must be level within 6 mm in 3 m (1/4" in 10').
- Sheathing must be securely fastened per applicable building code and manufacturer’s requirements.
- Sheathing must be attached with corrosion resistant fasteners.

**Air/Water-Resistive Barrier**

- Sheathing must be protected with either FINESTOP, FINESTOP RA, FINESTOP VB, or other code approved water-resistant barrier, installed per applicable building code and manufacturer’s requirements.

**Cement Board**

- Cement board must satisfy ASTM C1325.
- Cement board must be securely fastened per applicable building code, manufacturer's requirements and Finestone details.
- Cement board must be a single piece around corners of openings.
- Cement board must be fastened with corrosion resistant fasteners.
- Cement board and sheathing must be offset.

**Optional Insulation Board Trim Shapes**

- All EPS shapes must be reinforced with Finestone mesh and base coat.

**Sealants, Backer Rod, Flashing**

- Approved sealant installed with approved backer rod or bond breaker tape shall be used at all transitions between FINESCREEN 1000 and other elements such as windows, doors, vents, penetrations, transitions to dissimilar elements, etc.
- Flashing at windows, doors, chimneys, transitions between FINESCREEN 1000 and roof and at other points specified shall be installed in accordance with component manufacturer’s instructions.

**BEST PRACTICES FOR INSTALLERS**

**General**

- All flashing should be installed per codes prior to the installation of FINESCREEN 1000.
- A mock-up of the FINESCREEN 1000 system showing all components should be prepared using the same tools and skills that will be used in actual construction, and the sample should be kept at the job site during construction.
- Pail components must be kept at a minimum of 4°C (40°F) and at a maximum of 43°C (110°F) during shipping and storage. A minimum temperature of 4°C (40°F) is required during application of liquid components and until completely dried. Protect dry (bagged) products from moisture. Optional EPS insulation boards should be stored flat, out of direct sunlight.
- No additives are permitted to any components unless otherwise approved by BASF Wall Systems.
- To reduce the potential for intruding water to degrade water-sensitive sheathing and framing, and to keep water out of the stud cavity, rough openings must be properly protected and a means provided to allow intruding water to escape. Sill areas should be adequately flashed and weatherproofed. Avoid details that trap water and follow the window and door manufacturers’ recommendations for proper installation.
Reinforced Base Coat
- Reinforce all cement board joints with base coat and 4" strips of STANDARD MESH or SELF-ADHERING MESH.
- Special shapes should be attached prior to reinforcement layer over cement board. They must also be reinforced with base coat and STANDARD MESH.
- Install CORNER MESH at all inside and outside corners.
- Apply STANDARD MESH or INTERMEDIATE 6 MESH and base coat over entire cement board surface. STANDARD MESH or INTERMEDIATE 6 MESH must overlap a minimum of 64mm (2 1/2").
- Mesh color should never be visible through the base coat.
- Protect from precipitation for a minimum of 24 hours.

Finish
- (Optional) Apply BASF TINTED PRIMER to dry reinforced Base Coat.
- A primer tinted to the color of the finish is recommended prior to application of rilled finishes.
- Apply Finestone finish coat to match the specified finish type, texture and color when primer and/or reinforced base coat are dry.
- Use only stainless steel trowels for application; plastic for floating.
- Avoid working in direct sunlight.
- Finishes should be applied with adequate man power, tools and staging to keep a wet edge.
- Do not run finish into joints that will receive sealant.
- Do not quit in the middle of a wall; run to natural breaks.
- Do not use different batches of finish on the same elevation.
- Protect from precipitation for a minimum of 24 hours.
- Do not apply finish over sealants.

LIMITATIONS
- Use only for above grade vertical walls.

KEY UPGRADES AVAILABLE:
System upgrades can include the addition of high-impact resistant reinforcing mesh, specialty finishes, silicone enhanced textured finishes to improve dirt pick up and mildew resistance, and tinted primers to enhance final aesthetics.

SPECIFICATIONS & DETAILS
The contents of this system overview are intended to provide the design professional information required to evaluate this assembly against specific project requirements. Further useful information to support the creation of a project manual such as a guide specification, product bulletins, and assembly details are available on the Finestone website at www.finestone.basf.com.

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 material safety data sheets and related literature on products before specification and/or installation.
WARRANTY

Refer to the Finestone EIFS, and Coating Warranty Schedule for specific information about this product/system.

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