PEPPLETEX CI-DCA Wall System with MaxGrip Veneer Mortar – Section 07 24 19

Water-drainage polymer-based EIFS incorporating vertical drainage channels, a fluid air/water-resistive barrier and adhered veneer finish.

INTRODUCTION

This specification has been assembled to enable the design professional to select or delete sections to suit the project requirements and is intended to be used in conjunction with Finestone® typical details, product bulletins, technical bulletins, etc.

DESIGN RESPONSIBILITY

It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for its intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings and the like. The Wall Systems business of BASF Corporation (herein referred to as “BASF Wall Systems”) has prepared guidelines in the form of specifications, typical application details, and product bulletins to facilitate the design process only. BASF Wall Systems is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or the like, whether based upon the information provided by BASF Wall Systems or otherwise, or for any changes which the purchasers, specifiers, designers or their appointed representatives may make to BASF Wall Systems published comments. The International Building Code and TMS 402/602 Building Code Requirements and Specification for Masonry Structures do not place a specific height limit on this application. However local building code may impose certain restrictions that would limit the height that the system can be placed. Consult the authority having jurisdiction (AHJ) for the project to ensure local requirements are satisfied.

Designing and Detailing a PEPPLETEX CI-DCA Wall System with MAXGRIP VENEER MORTAR

General: The system shall be installed in strict accordance with current recommended published details and product specifications from the system’s manufacturer.

A. Wind Load

1. Substrate deflection should be limited based on recommendations of the veneer manufacturer or local building codes but in no case shall deflection be more than L/360 under positive and negative design wind loads.
2. Design for wind load in conformance with local code requirements.

B. Substrate Systems

1. Acceptable substrates are: 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 DensElement (sheathing only); gypsum sheathing (ASTM C79/C1396); Huber Zip (sheathing only) Exposure I or exterior plywood (Grade C/D or better); or Exposure I OSB.
2. Painted and otherwise coated surfaces of brick, unit masonry, stucco and concrete shall be inspected and prepared as approved by BASF Wall Systems before application. The applicator shall verify that the proposed substrate is acceptable prior to the PEPPLETEX CI-DCA Wall System with MAXGRIP VENEER MORTAR installation.
3. The substrate systems shall be engineered with regard to structural performance by others.

C. Moisture Control

1. Prevent the accumulation of water behind the EIFS, either by condensation or leakage through the wall construction, in the design and detailing of the wall assembly.
   a. Provide flashing to direct water to the exterior where it is likely to penetrate components in the wall assembly, including, above window and door heads, beneath window and door sills, at roof/wall intersections, decks, abutments of lower walls with higher walls, above projecting features, and at the base of the wall and anywhere else required by local code.
b. Air Leakage Prevention: Provide continuity of air barrier system at foundation, roof, windows, doors and other penetrations through the system with connecting and compatible air barrier components to minimize condensation and leakage caused by air movement.

c. Vapor Diffusion and Condensation: Perform a dew point analysis of the wall assembly to determine the potential for accumulation of moisture in the wall assembly as a result of water vapor diffusion and condensation. Adjust insulation thickness and/or other wall assembly components accordingly to minimize the risk of condensation. Avoid the use of vapor retarders on the interior side of the wall in warm, humid climates.

D. System Joints
1. Expansion joints in the system are required at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction, where substrates change and where structural movement is anticipated. It is the sole responsibility of the project design team, including the architect, engineer, etc., to ultimately determine specific expansion joint placement, width and design. Detail specific locations in construction drawings.
2. Sealant joints are required at all penetrations through the PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR (windows, doors, etc.)
3. Specify compatible closed cell backer rod and acceptable sealant that has been evaluated in accordance with ASTM C 1382, “Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation and Finish System (EIFS) Joints,” and that meets minimum 50% elongation after conditioning.
4. The system must be properly terminated (back-wrapped a min. of 2 1/2” (64mm), properly sealed, flashed) at all penetrations, lighting fixtures, electrical outlets, hose bibs, dryer vents, etc.
5. For a list of acceptable sealants refer to Acceptable Sealants for use with Finestone Wall Systems technical bulletin.

E. Grade Condition
1. The PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR is not intended for use below grade or on surfaces subject to continuous or intermittent immersion in water or hydrostatic pressure. Ensure a minimum 8” (203.2 mm) clearance above grade or as required by code, a minimum 1” (25.4 mm) clearance above finished grade (sidewalk/concrete flatwork).

F. Coordination with other trades
1. Evaluate adjacent materials such as windows, doors, etc. for conformance to manufacturer’s details. Adjacent trades shall provide scaled shop drawings for review.
2. Air seals at any joints/gaps between adjoining components (penetrations, etc.) are of primary importance to maintain continuity of an air barrier system and must be considered by the design professional in the overall wall assembly design. Install air seals between the primary air/water-resistive barrier and other wall components (penetrations, etc.) in order to maintain continuity of an air barrier system.
3. Provide site grading such that PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR terminates a minimum of 8” (203 mm) above finished grade or as required by code.
4. Provide protection of rough openings in accordance with Finestone’s Air/Water-Resistive/Vapor Barrier Application Guidelines before installing windows, doors, and other penetrations through the wall.
5. Install copings and sealant immediately after installation of the PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR and when Finestone products are completely dry.

TECHNICAL INFORMATION
PART 1 GENERAL
NOTE TO SPECIFIER: Items in blue/underlined indicate a system option or choice of options. Throughout the specification, delete those which are not required or utilized.

1.01 SECTION INCLUDES
A. Refer to all drawings and other sections of this specification to determine the type and extent of work therein affecting the work of this section, whether or not such work is specifically mentioned herein.
B. PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR: Composite wall Exterior Insulation and Finish System consisting of Finestone air/water-resistive barrier, Finestone Adhesive, rigid insulation, Finestone Base Coat, BASF INTERMEDIATE 12 and Finestone STANDARD MESH reinforcing mesh, BASF MAXGRIP VENEER MORTAR and selected adhered veneer (by others).
C. Finestone products are listed in this specification to establish a standard of quality. Any substitutions to this specification shall be submitted to and receive approval from the Architect at least 10 days before bidding. Proof of equality shall be borne by the submitter.
D. The system type shall be Finestone PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR as manufactured by BASF Wall Systems, Shakopee, MN.

1.02 RELATED SECTIONS
A. Section 03 00 00 Concrete substrate
B. Section 04 00 00 Masonry substrate
C. Section 05 40 00 Cold-formed metal framing
D. Section 06 16 00 Sheathing
E. Section 06 11 00 Wood framing
F. Section 07 27 00 Air barriers
G. Section 07 62 00 Sheet Metal Flashing and Trim
H. Section 07 65 00 Flexible flashing
I. Section 07 90 00 Joint protection
J. Section 08 00 00 Openings
K. Section 09 22 00 Supports for plaster and gypsum board
L. Section 09 22 16 Non-structural metal framing
M. Section 09 29 00 Gypsum board

1.03 REFERENCES
A. ES AC235 Acceptance Criteria for EIFS Clad Drainage Wall Assemblies
B. ES AC212 Acceptance Criteria for Water-resistive Coatings Used as Water-resistive Barriers over Exterior Sheathing
H. ICC-ES AC51 Acceptance Criteria for Precast Stone Veneer
I. TMS 402 Building Code Requirements for Masonry Structures
J. ANSI A108.01 General Requirements: Sub-surfaces and Preparations by Other Trades.
L. ANSI A108.10 Installation of Grout in Stonework.
M. ANSI A118.4 Specifications for Modified Dry-Set Cement Mortar.
N. ANSI A118.10 Specifications Improved Modified Dry-Set Cement Mortar
O. ANSI A137.1 Specification for Ceramic Tile
P. ASTM C1088 Standard Specification for Thin Veneer Brick Units
Finestone Pebbletex CI-DCA Wall System with MaxGrip Veneer Mortar

Q. ASTM C1670 Standard Specification for Adhered Manufactured Stone Masonry Veneer (AMSMV) Units

1.04 DEFINITIONS
B. Class PB Systems: A class of EIFS where the base coat varies in thickness depending upon the number of layers or thickness of reinforcing mesh. The reinforcing material is glass fiber mesh, which is embedded into the base coat at the time of installation. The base coat shall be applied to achieve reinforcing mesh embedment with no reinforcing mesh color visible, nominal thickness of 1/16" (1.6 mm). An adhered veneer is applied over the base coat.
C. EIFS with drainage: A wall cladding design with an exterior surface for primary weather protection and aesthetics, which incorporates an inner secondary air/water-resistive barrier to accommodate incidental moisture and direct it to the exterior.

1.05 SUBMITTALS
A. Submit under provisions of Section [01 33 00]
B. Product Data: Provide data on PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR materials, product characteristics, performance criteria, limitations and durability.
C. Code Compliance: Provide manufacturer’s applicable code compliance report ICC-ES ESR-2186
D. Samples: Submit [two] [x] [inch] [millimeter] size samples of PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR illustrating selected adhered veneer.
E. Certificate: System manufacturer’s approval of applicator.
F. Sealant: Sealant manufacturer’s certificate of compliance with ASTM C1382.
G. System manufacturer’s current specifications, typical details, system overview and related product literature which indicate preparation required, storage, installation techniques, jointing requirements and finishing techniques.

1.06 QUALITY ASSURANCE
A. Manufacturer: More than 10 years in the EIFS industry, with more than 1000 completed EIFS projects.
B. Applicator: Approved by BASF Wall Systems in performing work of this section.
C. Regulatory Requirements: Conform to applicable code requirements for EIFS.
D. Field Samples
1. Provide under provisions of Section [01 43 36] [01 43 39].
2. Construct one field sample panel for each adhered veneer, [x] [meters] [feet] in size of system materials illustrating method of attachment.
3. Prepare each sample panel using the same tools and techniques to be used for the actual application.
4. Locate sample panel where directed.
5. Accepted sample panel [may] [may not] remain as part of the work.
6. Field samples shall be comprised of all wall assembly components including substrate, Finestone air/water-resistive barrier, Finestone adhesive, insulation board, Finestone Base Coat, BASF INTERMEDIATE 12 AND STANDARD MESH reinforcing mesh, BASF MAXGRIP ADHERED, selected adhered veneer and typical sealant/flashing conditions.
E. Testing:
1. General Air/Water-Resistive Barrier Minimum Performance:

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water-resistant barrier coatings used under EIFS</td>
<td>ASTM E2570</td>
<td>Meets all performance requirements</td>
<td></td>
</tr>
<tr>
<td>Air Leakage of Air Barrier Assemblies</td>
<td>ASTM E2357</td>
<td>0.2 l/(s.m²) @ 75 Pa (0.04 cfm/ft² @ 1.57 psf)</td>
<td>0.0007 l/s.m² (0.0001 cfm/ft²) @ 75 Pa (1.57 psf) positive / post conditioning</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.0014 l/s.m² (0.0003 cfm/ft²) @ 75 Pa (1.57 psf) negative / post conditioning</td>
</tr>
<tr>
<td>Air Permeance of Building Materials</td>
<td>ASTM E2178</td>
<td>0.02 l/s.m² @ 75 Pa (0.004 cfm/ft² @ 1.57 psf)</td>
<td>0.0049 l/s.m² @ 75 Pa (0.00098 cfm/ft² @ 1.57 psf)</td>
</tr>
<tr>
<td>Rate of Air Leakage</td>
<td>ASTM E283</td>
<td></td>
<td>0.0185 l/s.m² @ 75 Pa (0.0037 cfm/ft² @ 1.57 psf)</td>
</tr>
</tbody>
</table>
### Water Vapor Transmission

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Vapor Transmission</td>
<td>ASTM E96</td>
<td>Report value</td>
<td>FINESTOP RA - 18 Perms (grains/Hr. in Hg. ft²) @ 10 mils wet film thickness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FINESTOP RS 18 Perms (grains/Hr. in Hg. ft²) @ 12 mils wet film thickness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FINESTOP RA/RS - 14 Perms (grains/Hr. in Hg. ft²) @ 20 mils wet film thickness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FINESTOP VB - 0.09 Perms (grains/Hr. in Hg. ft²) @ 26 mils wet film thickness</td>
</tr>
</tbody>
</table>

### Pull-Off Strength of Coatings

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pull-Off Strength of Coatings</td>
<td>ASTM D4541</td>
<td>Min. 110 kPa (15.9 psi) or substrate failure</td>
<td>Pass - Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood, PVC and galvanized flashing</td>
</tr>
</tbody>
</table>

### Nail Sealability (without Sheathing Fabric)

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nail Sealability</td>
<td>ASTM D1970</td>
<td>No water penetration at galvanized roofing nail penetration under 127 mm (5&quot;) head of water after 3 days at 4° C (40° F)</td>
<td>Pass</td>
</tr>
</tbody>
</table>

### Surface Burning

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Burning</td>
<td>ASTM E84</td>
<td>Flame Spread &lt; 25</td>
<td>Smoke developed = 95</td>
</tr>
</tbody>
</table>

### 2. Air/Water-Resistive Barrier ICC-ES AC-212:

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sequential Testing:</td>
<td>1. ASTM E 1233</td>
<td>No cracking at joints or interface of flashing</td>
<td>Pass - Tested over OSB and gypsum sheathing</td>
</tr>
<tr>
<td>Structural</td>
<td>Procedure A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Racking</td>
<td>ASTM E 72</td>
<td>No water penetration after 15 min @ 137 Pa (2.86 psf)</td>
<td></td>
</tr>
<tr>
<td>4. Water Penetration</td>
<td>ASTM E 331</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sequential Testing:</td>
<td>1. ICC-ES AC-212</td>
<td>No cracking or bond failure to substrate</td>
<td>Pass</td>
</tr>
<tr>
<td>1. UV Light Exposure</td>
<td>2. ICC-ES AC-212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Accelerated Aging</td>
<td>AATCC 127-1985</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Hydrostatic Pressure Test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ASTM E 2485 (Method B)</td>
<td>No sign of deleterious effects after 10 cycles</td>
<td>Pass - Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
<tr>
<td>Water Resistance</td>
<td>ASTM D2247</td>
<td>No deleterious effects after 14-day exposure</td>
<td>Pass - Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
<tr>
<td>Tensile Bond</td>
<td>ASTM C 297</td>
<td>Minimum 103 kPa (15 psi)</td>
<td>Pass - Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood, CMU, PVC and galvanized flashing</td>
</tr>
<tr>
<td>Tensile Bond (after freeze-thaw)</td>
<td>ASTM C 297</td>
<td>Minimum 103 kPa (15 psi) avg; no failure after 10 cycles freeze-thaw</td>
<td>Pass</td>
</tr>
</tbody>
</table>

### 3. Air/Water-Resistance Barrier ICC-ES AC 148:

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sequential Testing:</td>
<td>1. ICC-ES AC 148</td>
<td>No cracking or bond failure to substrate</td>
<td>Pass</td>
</tr>
<tr>
<td>1. UV Light Exposure</td>
<td>2. ICC-ES AC 148</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Accelerated Aging</td>
<td>AATCC 127-1985</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Hydrostatic Pressure Test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peel Adhesion</td>
<td>ASTM D 3330</td>
<td>After UV Exposure</td>
<td>Pass - tested over ASTM C1177 glass-mat sheathing, OSB, plywood, PVC and uncoated aluminum</td>
</tr>
<tr>
<td>Method F</td>
<td></td>
<td>After Accelerated Aging</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>After Elevated Temperature Exposure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>After Water Immersion</td>
<td></td>
</tr>
<tr>
<td>Nail Sealability after Thermal Cycling</td>
<td>ASTM D 1970 (Modified), AAMA 711</td>
<td>No water penetration at galvanized roofing nail penetration under 31 mm (1.2&quot;) head of water after 24 hours at 4° C (40° F)</td>
<td>Pass</td>
</tr>
<tr>
<td>Tensile Strength after UV Exposure</td>
<td>ASTM D 5034, AAMA 711</td>
<td>Minimum 0.5 N/mm (2.9 lbs./in)</td>
<td>Pass</td>
</tr>
<tr>
<td>Cold Temperature Pliability</td>
<td>ASTM D 1970, AAMA 711</td>
<td>No cracking after bending around a 25 mm (1&quot;) mandrel after 2-hour exposure to -18° C (0° F)</td>
<td>Pass</td>
</tr>
</tbody>
</table>
Finestone Pebbletex CI-DCA Wall System with MaxGrip Veneer Mortar

Resistance to Peeling

AAMA 711

No signs of distress or failure after 24 hours of exposure at room temperature, 50° C (122° F), 65° C (149° F), 80° C (176° F)

Pass

4. PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR System and Component Performance:

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD/METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIFS and EIFS with Drainage</td>
<td>ASTM E2568 and ICC-ES AC 235</td>
<td></td>
<td>Meets all performance requirements</td>
</tr>
<tr>
<td>Drainage Efficiency</td>
<td>ASTM E2273</td>
<td>90% Minimum</td>
<td>98.7% - FINESTOP RA/RS/VB</td>
</tr>
<tr>
<td>Transverse Wind-load</td>
<td>ASTM E330</td>
<td>Steel stud framing (20 gauge) 16&quot;o.c., 1/2&quot; gypsum sheathing, 4&quot; SHEATHING FABRIC over sheathing joints, FINESTOP RA, Finestone Adhesive, 1&quot; expanded polystyrene insulation board, Finestone Base Coat, STANDARD MESH Reinforcing Mesh, Finestone Finish.</td>
<td>Average ultimate loads¹: - 3126 Pa (- 65 psf) + 2633 Pa (+ 55 psf) not taken to failure</td>
</tr>
<tr>
<td>Transverse Wind-load</td>
<td>ASTM E330</td>
<td>Wood assembly (2' x 4') 16&quot;o.c., 7/16&quot; Exposure 1 OSB, 4&quot; SHEATHING FABRIC over sheathing joints, FINESTOP RA, Finestone Adhesive, 1&quot; expanded polystyrene insulation board, Finestone Base Coat, STANDARD MESH Reinforcing Mesh, Finestone Finish.</td>
<td>Average ultimate loads¹: - 8379 Pa (- 175 psf) + 3591 Pa (+ 75 psf) not taken to failure</td>
</tr>
<tr>
<td>Tensile Bond</td>
<td>ASTM C297/E2134</td>
<td>Minimum 103 kPa (15 psi)</td>
<td>Pass</td>
</tr>
<tr>
<td>Shear Bond (full assembly test for EPS strength)</td>
<td>ASTM C273</td>
<td>Core shear modulus of the EPS is equal to or greater than 280 psi. The 2% offset shear strength is equal to or greater than 12 psi.</td>
<td>Shear modulus 281.43 psi; offset shear 13.6 psi</td>
</tr>
<tr>
<td>Shear Bond (full assembly test for EPS strength)</td>
<td>ASTM C273</td>
<td>Core shear modulus of the EPS is equal to or greater than 280 psi. The 2% offset shear strength is equal to or greater than 12 psi.</td>
<td>Shear modulus 281.43 psi; offset shear 13.6 psi</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>ASTM E 331</td>
<td>No water penetration after 15 minutes @ 137 Pa (2.86 psf)</td>
<td>Pass</td>
</tr>
<tr>
<td>Radiant Heat Exposure</td>
<td>NFPA 268</td>
<td>No ignition at 20 minutes</td>
<td>Met test criteria with 4&quot; thick EPS insulation.</td>
</tr>
<tr>
<td>Fire Endurance</td>
<td>ASTM E119</td>
<td>Maintain fire resistance of existing rated assembly</td>
<td>1-hour rating with maximum 4&quot; thick EPS insulation</td>
</tr>
<tr>
<td>Intermediate Scale Multi-story Fire Test</td>
<td>NFPA 285 / UBC Standard 26-9</td>
<td>1. Resist flame propagation over the exterior surface 2. Resist vertical spread of flame within combustible core/component of panel from one story to the next 3. Resist vertical spread of flame over the interior surface from one story to the next 4. Resist lateral spread of flame from the compartment of fire origin to adjacent spaces</td>
<td>Met test criteria with 4” thick EPS insulation</td>
</tr>
<tr>
<td>Surface Burning</td>
<td>ASTM E84 / UL 723</td>
<td>Flame spread &lt; 25 Smoke developed &lt; 450</td>
<td>All components of the system meet Class A performance (FS &lt; 25; SD &lt; 450)</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G 153 (formerly G23)</td>
<td>No deleterious effects after 2000 hours.</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G 154 (formerly G53)</td>
<td>No deleterious effects after 2000 hours.</td>
<td>Pass - No deleterious effects after 7500 hours.</td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ASTM C67, Method A</td>
<td>No deleterious effects after 60 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>Mildew Resistance</td>
<td>Mil Std 810B Method 508</td>
<td>No fungus growth after 28 days</td>
<td>Pass</td>
</tr>
<tr>
<td>Salt Fog Resistance</td>
<td>ASTM B117</td>
<td>No deleterious effects after 300 hours</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Resistance of</td>
<td>ASTM D 2247</td>
<td>No deleterious effects after 14</td>
<td>Pass</td>
</tr>
</tbody>
</table>
Finestone Pebbletex CI-DCA Wall System with MaxGrip Veneer Mortar

Coating in 100% R.H. days exposure

1 No failure in the Finestone materials; failure in framing and/or sheathing connections

5. Reinforcing Mesh Testing

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkali Resistance of</td>
<td>ASTM E 2098</td>
<td>Greater than 120 pli (21 dN/CM) retained tensile</td>
<td>Pass (all mesh)</td>
</tr>
<tr>
<td>Reinforcing Mesh</td>
<td></td>
<td>strength</td>
<td></td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>ASTM E2486</td>
<td>25-49 inch-lbs. (2.8-5.6 j)</td>
<td>STANDARD MESH</td>
</tr>
<tr>
<td>(formerly EIMA 101.86)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>ASTM E2486</td>
<td>50-89 inch-lbs. (5.7-10.1 j)</td>
<td>INTERMEDIATE 12</td>
</tr>
<tr>
<td>(formerly EIMA 101.86)</td>
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</tbody>
</table>

6. BASF MAXGRIP VENEER MORTAR

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM C 109</td>
<td>N/A</td>
<td>4000 psi</td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ASTM C 666</td>
<td>Procedure A, cycles rapid freezing and thawing in</td>
<td>&gt; 100 cycles, no failure of</td>
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<tr>
<td></td>
<td></td>
<td>water. 40°F - 0°F - 40°F in not less than 2 hours</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>and not more than 5 hours; modified using full IVS</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>composite in place of concrete beam</td>
<td></td>
</tr>
<tr>
<td>Shear Strength</td>
<td>ANSI 118.4</td>
<td>28 days ≥ 200 psi After 7 day water immersion ≥ 150</td>
<td>565 psi at 28 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>psi</td>
<td>306 psi after 7 day water</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>immersion</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>ANSI A118.15</td>
<td>7 days ≥ 300 psi After 7 days water immersion ≥</td>
<td>487 psi at 7 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 psi</td>
<td>565 psi at 28 days</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>306 psi after 7 day water</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>immersion</td>
</tr>
<tr>
<td>Shear Bond</td>
<td>ASTM C482</td>
<td>Minimum 50 psi</td>
<td>130 psi – MaxGrip directly</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>to molded cement mortar</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>bed specified in ASTM C482</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>= 130 psi</td>
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<td>151 psi and 141 psi</td>
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<td></td>
<td></td>
<td></td>
<td>respectively – MaxGrip to</td>
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<td></td>
<td></td>
<td>Senergy Alpha Base Coat and</td>
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<tr>
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<td></td>
<td></td>
<td>Alpha Dry Base Coat over</td>
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<tr>
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<td></td>
<td>molded cement mortar bed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>specified in ASTM C482.</td>
</tr>
</tbody>
</table>

1.07 DELIVERY, STORAGE AND HANDLING
A. Deliver, store and handle products under provisions of Section [01 65 00] [01 66 00] [ ].
B. Deliver BASF Wall Systems - Finestone in original unopened packages with manufacturer’s labels intact.
C. Protect BASF Wall Systems - Finestone materials during transportation and installation to avoid physical damage.
D. BASF Wall Systems - Finestone materials in cool, dry place protected from freezing. Store at no less than 4°C/40°F.
E. Store MAXFLASH at a minimum of 40°F/4°C. In cold weather, keep containers at room temperature for at least 24 hours before using.
F. Store insulation boards flat and protected from direct sunlight and extreme heat.
G. Store BASF Wall Systems - Finestone Reinforcing Mesh, SHEATHING FABRIC and WS FLASH flexible flashing in cool, dry place protected from exposure to moisture.

1.08 PROJECT/SITE CONDITIONS
A. Do not apply BASF Wall Systems – Finestone materials in ambient temperatures below 40°F/4°C. Provide properly vented, supplementary heat during installation and drying period when temperatures less than 40°F/4°C prevail.
B. Do not apply BASF - Finestone materials to frozen surfaces.
C. Maintain ambient temperature at or above 40°F/4°C during and at least 24 hours after BASF Wall Systems - Finestone materials installation and until dry.

1.09 SEQUENCING AND SCHEDULING
A. Coordinate and schedule installation of PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR with
related work of other sections.

B. Coordinate and schedule installation of trim, flashing, and joint sealers to prevent water infiltration behind the system.

1.10 WARRANTY
A. Provide BASF Wall Systems limited labor, materials and drainage warranty for PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR installations under provisions of Section [01 70 00]. Reference Finestone’s Warranty Schedule technical bulletin for specific information.
A. Comply with BASF Wall Systems’ project review requirements and notification procedures to assure qualification for warranty.

PART 2 PRODUCTS
2.01 MANUFACTURERS
A. PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR (Class PB System) manufactured by BASF Wall Systems.

2.02 MATERIALS
NOTE TO SPECIFIER: Items in blue/underlined indicate a system option or choice of options. Throughout the specification, delete those which are not required or utilized. Contact BASF Wall Systems Technical Service Department for further assistance.
A. Air/Water-Resistive Barrier Components:
  1. Block Filler:
     a. WS FIL: A one-component, water-based block filler designed to prepare rough, porous concrete /masonry substrates for subsequent application of Finestone fluid applied air/water-resistive barrier products.
  2. Air/Water-Resistive Barrier: (Required, Select a, b or c)
     a. FINESTOP RA: A one-component fluid-applied vapor permeable air/water-resistive barrier.
     b. FINESTOP RS: A one-component fluid-applied vapor permeable air/water-resistive barrier for use with airless spray equipment.
     c. FINESTOP VB: A one-component fluid-applied vapor impermeable air/water-resistive barrier.
  3. Rough Opening and Joint Treatment: (Required, Select A or B)
     a. SHEATHING FABRIC: A spun-bonded non-woven reinforced polyester web for use with Finestone fluid applied air/weather-resistive barriers.
     b. MAXFLASH: A one-component elastomeric material for use as a flexible flashing membrane.
  4. Transitional Membrane / Expansion Joint Flashing (If selected, both a & b are required)
     b. FLASHING PRIMER: A water-based primer for use prior to application of WS FLASH on all acceptable surfaces.
  5. Cold Temperature Additive:
     a. LT ADDITIVE: Blending of LT ADDITIVE with a pail of FINESTOP RA/RS/VB enables application of these materials at temperatures as low as 25°F (-4°C).
B. Adhesives/Base Coats: (Required, Select One or More)
  1. A/BC Base Coat: A 100% acrylic base coat, field-mixed with Type I or Type II Portland cement. It has a creamy texture that is easily spread.
  2. A/BC 1-STEP Base Coat: A dry-mix polymer adhesive and base coat containing Portland cement, and requiring only water for mixing.
  3. FINEGUARD Base Coat: A 100% acrylic-based, water-resistant base coat, field-mixed with Type I or Type II Portland cement.
  4. FINEBUILD Base Coat: A 100% acrylic, fiber-reinforced base coat, adhesive and leveler that is field-mixed with Type I or Type II Portland cement.

NOTE TO SPECIFIER: Portland cement is not required if A/BC 1-STEP Base Coat is specified.
C. Portland cement: Conform to ASTM C150, Type I, II, or I/II, grey or white; fresh and free of lumps.
D. Water: Clean and potable without foreign matter.
E. Insulation Board:
  1. Expanded polystyrene; ASTM C578, Type I; Flame spread less than 25, smoke developed less
Finestone Pebbletex CI-DCA Wall System with MaxGrip Veneer Mortar

than 450 per ASTM E84, UL 723.
a. Minimum density 0.95 lb./ft³ (15.22 kg/m³); 0.24 per inch (K=6.09 per mm).
b. Minimum thickness as indicated on drawings [minimum 3/4" (19 mm)].
c. Air-dried (aged) six weeks, or equivalent, prior to installation.
d. Edges: square within 1/32" per foot (0.8 mm per meter).
e. Thickness: tolerance of plus or minus 1/16" (1.6 mm).
f. Size: 2' x 4' (0.6 m x 1.22 m).
g. Length and width: tolerance of plus or minus 1/16" (1.6 mm).

F. Reinforcing Mesh: Balanced, open-weave glass, fiber reinforcing mesh, twisted multi-end strands treated for compatibility with Finestone Base Coats.
   1. STANDARD MESH: Standard weight, 4 oz used for back wrapping perimeter EPS boards of all openings, penetrations and other system terminations only.
   2. INTERMEDIATE 12: Intermediate weight, 12 oz used in field of wall.

G. Skim Coat: As a skim coat for thin brick, tile or stone veneer (If MAXGRIP VENEER MORTAR not used as skim coat, then Select One)
   1. A/BC Base Coat: A 100% acrylic base coat, field-mixed with Type I or Type II Portland cement. It has a creamy texture that is easily spread.
   2. A/BC 1-STEP Base Coat: A dry-mix polymer adhesive and base coat containing Portland cement, and requiring only water for mixing.

H. BASF MAXGRIP VENEER MORTAR: A high-strength specially formulated setting bed mortar used to adhere natural and manufactured stone, tile and thin brick veneer

I. Adhered Veneer (By Other):
   2. Thin Brick Veneer Units: shall comply with ASTM C1088 Standard Specification for Thin Veneer Brick Units Made from Clay or Shale.
   3. Tile: shall comply with requirements of the Tile Council of North America/ANSI A137.1 Standard for Ceramic Tile and other applicable TCNA standards.
   4. Pointing mortar (as applicable): per the adhered veneer manufacturers recommendations for the specific veneer installed.

2.03 ACCESSORIES
A. Window/Door Drip Edge: Rigid polyvinyl chloride (PVC). UV resistant for exterior use, with a drip edge, as furnished by Plastic Components, Inc. or equal. Accessories shall conform to ASTM D1784-97, C1063-99 and D4216-99.

PART 3 EXECUTION
3.01 EXAMINATION
A. Site Conditions:
   1. Verify project site conditions under provisions of Section [01 00 00].

B. Walls:
   1. Substrates:
      a. Acceptable substrates are: PermaBase® Cement Board and other cement-boards conforming with ASTM C1325 (Type A-exterior); poured concrete/unit masonry; ASTM C1177 type sheathing, including, Weather Defense™ Platinum sheathing, GreenGlass® sheathing, eXP™ sheathing, GlasRoc® sheathing, Securock™ glass-mat sheathing, and DensGlass® exterior sheathing. DensElement (sheathing only); gypsum sheathing (ASTM C79/C1396); Huber Zip (sheathing only); Exposure I or exterior plywood (Grade C/D or better); or Exposure I OSB. Consult the BASF Wall Systems Technical Services Department for all other applications.
      b. Wall sheathing must be securely fastened per applicable building code and sheathing manufacturer’s requirements.
      c. Examine surfaces to receive PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR and verify that substrate and adjacent materials are dry, clean, sound, and free of releasing agents, paint, or other residue or coatings. Verify substrate is flat, free of fins or planar irregularities greater than 1/4" in 10’ (6.4 mm in 3 m).
Finestone Pebbletex CI-DCA Wall System with MaxGrip Veneer Mortar

2. Flashings:
   a. All flashings are by others and must be installed in accordance with specific manufacturer’s requirements. Where appropriate, end-dams must be provided.
   b. Openings must be flashed prior to window/door, HVAC, etc. installation. Refer to WS FLASH product bulletin and Finestone’s Moisture Protection Guidelines for Pebbletex Wall Systems bulletin for further information.
   c. Windows and openings shall be flashed according to design and Building Code Requirements.
   d. Individual windows that are ganged to make multiple units require continuous head flashing and the joints between the units must be fully sealed.

3. Roof:
   a. Verify that all roof flashings have been installed in accordance with the guidelines set by the Asphalt Roofing Manufacturers Association (ARMA).

4. Kick-out flashing:
   a. Kick-out flashing must be installed leak-proof and angled (min 100°) to allow for proper drainage and water diversion.

C. Do not proceed until all unsatisfactory conditions have been corrected.

3.02 PREPARATION
A. Protect all surrounding areas and surfaces from damage and staining during application of PEPPLETEX CI-DCA with MAXGRIP VENEER MORTAR materials.
B. Substrate preparation: Prepare substrates in accordance with Finestone instructions.

3.03 MIXING
General: No additives are permitted unless specified in product mixing instructions. Close containers when not in use. Prepare in a container that is clean and free of foreign substances. Do not use a container which has contained or been cleaned with a petroleum-based product. Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

NOTE TO SPECIFIER: Keep only the products in this section which were selected in Section 2.02. Delete those not to be utilized.

B. Air/Water-Resistive Barriers:
   1. WS FIL & FINESTOP RA/RS/VB: Mix with a clean, rust-free paddle and drill until thoroughly blended. Do not add water.
   2. Cold Temperature Additive: LT ADDITIVE: Pour the entire contents of one (1) bottle of LT ADDITIVE into one (1) full pail of FINESTOP RA/RS/VB. Mix with a clean, rust-free paddle and drill until fully blended.

C. Finestone Base Coat:
   1. A/BC Base Coat: Mix base coat with a clean, rust-free paddle and drill until thoroughly blended, before adding Portland cement. Mix one-part (by weight) Portland cement with one-part base coat. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment. Clean, potable water may be added to adjust workability.
   2. A/BC 1-STEP Base Coat: Mix and prepare each bag in a 19-liter (5-gallon) pail. Fill the container with approximately 5.6-liters (1.5-gallons) of clean, potable water. Add A/BC 1-STEP Base Coat in small increments, mixing after each additional increment. Mix A/BC 1-STEP Base Coat and water with a clean, rust-free paddle and drill until thoroughly blended. Additional A/BC 1-STEP Base Coat or water may be added to adjust workability.
   3. FINEGUARD Base Coat: Mix base coat with a clean, rust-free paddle and drill until thoroughly blended, before adding Portland cement. Mix one-part (by weight) Portland cement with one-part base coat. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment. Clean, potable water may be added to adjust workability.
   4. FINEBUILD Base Coat: Mix base coat with a clean, rust-free paddle and drill until thoroughly blended, before adding Portland cement. Mix one-part (by weight) Portland cement with one-part base coat. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment. Clean, potable water may be added to adjust workability.

D. BASF MAXGRIP VENEER MORTAR:
   1. Skim Coat: Prepare to mix one bag in a 5-gallon (19-liter) pail that is clean and free of foreign substances. 1.0-1.25 gallons (3.8-4.7 liters) of clean, potable water to a pail. Add a full bag of
FINESTONE PEBBLETEX CI-DCA WALL SYSTEM WITH MAXGRIPT VENEER MORTAR

MAXGRIP VENEER MORTAR to the pail in small increments, mixing after each addition. Mix with a low speed drill with a 4-sided mortar paddle until thoroughly blended. Let stand for 5 to 10 minutes, then remix/retremp for 1 minute before use.

2. Light Weight Adhered Veneer such as Thin Brick: Prepare to mix one bag in a 5-gallon (19-liter) pail that is clean and free of foreign substances. Add 1.0-1.25 gallons (3.8-4.7 liters) of clean, potable water to a pail. Add a full bag of MAXGRIP VENEER MORTAR to the pail in small increments, mixing after each addition. Mix with a low speed drill with a 4-sided mortar paddle until thoroughly blended. Additional water may be added to adjust workability, do not exceed 1.25 gallons. Let stand for 5 to 10 minutes, then remix/retremp for 1 minute before use. The mixed material should have a thick putty consistency and not slide off the trowel when held vertically.

3. Heavy Stone and Tile: Prepare to mix one bag in a 5-gallon (19-liter) pail that is clean and free of foreign substances. Add 0.75-1.0 gallons (2.8-3.8 liters) of clean, potable water to a pail. Add a full bag of MAXGRIP VENEER MORTAR to the pail in small increments, mixing after each addition. Mix with a low speed drill with a 4-sided mortar paddle until thoroughly blended. Additional water may be added to adjust workability, do not exceed 1 gallon. Let stand for 5 to 10 minutes, then remix/retremp for 1 minute before use. The mixed material should have a thick putty consistency and not slide off the trowel when held vertically.

3.04 APPLICATION

A. Accessories:

1. Attach Window/Door Drip Edge level and per manufacturer’s instructions.

NOTE TO SPECIFIER: Keep only the products in this section which were selected in Section 2.02. Delete those not to be utilized.

B. Air/Water-Resistive Barrier:

1. Apply the WS FIL in accordance with BASF WS FIL product bulletin.

2. All sheathing joints and windows/openings must be protected and the air/water-resistive barrier applied in accordance with Air/Water-Resistive/Vapor Barrier Application Guideline technical bulletin.

3. Substrate shall be dry, clean, sound, and free of releasing agents, paint, or other residue or coatings. Verify substrate is flat, free of fins or planar irregularities greater than ¼” in 10’ (6.4 mm in 3 m).

4. Unsatisfactory conditions shall be corrected before application of the Finestone air/water-resistive barriers.

5. Apply the SHEATHING FABRIC and Finestone air/water-resistive barrier in accordance with the Finestone air/water-resistive barrier product bulletin.

6. Apply the MAXFLASH in accordance with BASF MAXFLASH product bulletin.

7. Installed materials shall be checked before continuing system application.

8. Ensure SHEATHING FABRIC Finestone air/water-resistive barrier or MAXFLASH overlaps the top flange of the starter track.

9. Installed materials shall be checked before continuing system application.

C. Insulation Board:

1. Vertical surfaces: Begin at base of wall with firm, temporary support or spacer.

2. Stagger joints horizontally in a running bond pattern offset a minimum of 6”.

3. Pre-cut insulation board to fit openings and projections. Insulation board must be a single piece around corners of openings. Stagger vertical joints and corners. Stagger insulation and sheathing board joints. Offset insulation board joints from sheathing joints by a minimum of 16”.

4. Apply mixed Finestone Base Coat to entire surface of insulation board using a stainless-steel trowel with 1/2”x 1/2” (13 mm x 13 mm) notches spaced spaced 2” (50 mm)apart. Ribbons of adhesive must be applied parallel to the 2’ dimension of the EPS insulation board to ensure they are vertical when the EPS insulation board is applied to the substrate.

5. Immediately set board into place and apply pressure over entire surface of board to ensure positive uniform contact and high initial grab. Do not slide board into place. Do not allow base coat to dry prior to installing.

6. Abut all joints tightly and ensure overall flush level surface.

7. Fill 1/16” (1.6 mm) and larger gaps between insulation boards with slivers of insulation board.

8. Check adhesion periodically by removing a board prior to set. Properly installed insulation board will
Finestone Pebbletex CI-DCA Wall System with MaxGrip Veneer Mortar

be difficult to remove and Finestone Adhesive/Base Coat will be adhered to both the Finestone Air/Water-Resistive Barrier and the insulation board.

9. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of base coat/reinforcing mesh.

10. Rasp flush any irregularities of the insulation board greater than 1/16” (1.6 mm).

11. Install expansion joints and aesthetic grooves as indicated on drawings. Do not align aesthetic grooves with insulation board joints.

D. Finestone Base Coat/Reinforcing Mesh:

1. Base coat shall be applied to achieve reinforcing mesh embedment with no reinforcing mesh color visible.

E. Finestone STANDARD MESH Reinforcing Mesh:

Note: Back wrapping the EPS insulation board is required to provide appropriate fire performance on IBC Types I, II, III and IV (non-combustible) construction

1. Apply STANDARD MESH Reinforcing Mesh to the back side of the EPS board termination a minimum 2 ½” (64mm) by applying selected Finestone Base Coat and embedding the STANDARD MESH into the wet mixture.

2. Once the EPS board is set in place, apply selected Finestone base coat to edge and face of insulation board and wrap the remaining tail end of the STANDARD MESH across the edge and onto the face 2 ½” (64mm) ensuring reinforcing mesh is fully encapsulated in Finestone Base Coat with no predominant mesh pattern visible.

3. Once back wrapping is accomplished, BASF INTERMEDIATE 12 Reinforcing Mesh should be applied over the 2 ½” span of STANDARD MESH wrapped up the face.

Note: Pre-back wrapping the EPS insulation board with Finestone Base Coat and STANDARD MESH reinforcing mesh may be preferred to facilitate installation. This is accomplished by wrapping the back min. 2 ½” (64mm), edge and face min. 2 ½” (64mm) of the insulation board with reinforced base coat prior to installing the insulation board to the substrate.

F. BASF INTERMEDIATE 12 Reinforcing Mesh:

1. Apply mixed Finestone Base Coat to entire surface of insulation board with a stainless-steel trowel to embed the reinforcing mesh.

2. Immediately place BASF INTERMEDIATE 12 against wet base coat and embed the reinforcing mesh into the base coat by troweling from the center to the edges.

3. Lap BASF INTERMEDIATE 12 reinforcing mesh 2 ½” (64 mm) minimum at edges.

4. Ensure BASF INTERMEDIATE 12 is continuous at corners, void of wrinkles and embedded in base coat so that no reinforcing mesh color is visible.

5. If required, apply a second layer of base coat to achieve total nominal base coat/reinforcing mesh thickness of 1/16” (1.6 mm).

6. Allow base coat with embedded reinforcing mesh to dry hard (normally 8 to 10 hours).

G. BASF MAXGRIP – Adhered Veneer Mortar: Prior to installing the adhered veneer, apply selected Finestone Base Coat or MAXGRIP VENEER MORTAR as a skim coat over the dry reinforced base coat at approximately 1/6” (1.6mm) thick. Apply to an area that can be covered with adhered veneer before the skim coat dries. Allow skim coat layer to set for 3-5 minutes, then proceed with adhering the selected veneer.

Note: MAXGRIP VENEER MORTAR shall be applied and veneer installed such that the MAXGRIP VENEER MORTAR is free of voids. Allow MAXGRIP VENEER MORTAR to cure for 24-hours before applying pointing mortar.

1. Thin Brick Veneer: Spread BASF MAXGRIP VENEER MORTAR onto the back of bricks in a continuous layer nominally 3/16”-¼” (5-6mm) thick and press bricks firmly into place on the substrate.

2. Stone Veneer: Apply BASF MAXGRIP VENEER MORTAR to the back of clean stone veneer in a continuous layer nominally ¼”-3/8” (6-9mm) thick. Press firmly in place with a twisting movement until excess material exudes from the sides of the unit. Remove excess BASF MAXGRIP VENEER MORTAR between units.

3. Tile: Installation should proceed in accordance with ANSI A 108.5 (the type and size of the tile will dictate adhesive application.)
3.05 CLEANING
A. Clean work under provisions of Section [01 74 00] [ ].
B. Clean adjacent surfaces and remove excess material, droppings, and debris.

3.06 PROTECTION
A. Protect base coat from rain, snow and frost for 48–72 hours following application.
B. Protect installed construction under provisions of Section [01 76 00] [ ].

END OF SECTION
**WARRANTY**

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its products. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. In the absence of an extended warranty issued by BASF, any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF will not be responsible for any special, incidental, consequential (including lost profits) or punitive damages of any kind.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on BASF’s present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third-party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.