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Technical Bulletin

Pebbletex CI-DCA with MaxGrip Veneer Mortar

System Testing

Finestone Pebbletex CI-DCA with MaxGrip Veneer Mortar system is a fully tested, code compliant insulated cladding system that allows the use of masonry veneers over continuous insulation. Listed by ICC Evaluation Service under ESR 2186 (along with our traditional EIFS) this system can be confidently used as an alternative to or alongside traditional EIFS finish options allowing greater design flexibility.

In addition to standard EIFS qualifications, the system complies with the criteria of the following testing per requirements of ICC-ES:

TEST METHOD	SAMPLE	CRITERIA
Shear bond strength testing in accordance with ASTM C482 (Section 4.7 of AC51)	**1.** Veneer adhered with MaxGrip Veneer Mortar to a substrate consisting of a molded cement mortar bed specified in ASTM C482 **2.** Veneer adhered with MaxGrip Veneer Mortar to Finestone A/BC Base Coat and A/BC 1-Step Base Coat that is adhered to a substrate consisting of a molded cement mortar bed specified in ASTM C482	Min. 50 psi
Tensile bond strength per ASTM E2134 (per ASTM E2568 / Section 3.1 of AC235). Both dry and after wet conditioning (48 hour immersion)	Full system including sheathing, Finestone AWRB, Type I EPS adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat and veneer adhered with MaxGrip	No failure in the adhesive coat, base coat, or finish, the insulation board shall fail cohesively
Freeze-thaw testing per ASTM E2485 (per ASTM E2568 / Section 3.1 of AC235)	Full system including sheathing, Finestone AWRB, Type I EPS adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat and veneer adhered with MaxGrip	No deleterious effects including cracking, checking, peeling, delamination, etc when viewed under 5x magnification
Transverse load testing per ASTM E330 (per ASTM E2568 / Sections 3.3 and 4.3 of AC235)	Full system including sheathing, Finestone AWRB, Type I EPS adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat and veneer adhered with MaxGrip	Report values of negative and positive

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Shear strength testing per ASTM C273 (testing the EPS insulation)	Sheathing, Finestone AWRB, Type I EPS adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat	Core shear modulus of the EPS is equal to or greater than 280 psi and that the 2% offset shear strength is equal to or greater than 12 psi
Multi story intermediate scale fire test per NFPA 285	Full system including sheathing, Finestone AWRB, Type I EPS (4" thick max) adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat and veneer adhered with MaxGrip. Tested with both stone veneer and thin brick veneer	**1.** Resistance to vertical spread of flame within the core of the panel from one story to the next **2.** Resistance to flame propagation over the exterior face of the system **3.** Resistance to vertical spread of flame over the interior (room side) surface from one story to the next **4.** Resistance to lateral spread of flame from the compartment of fire origin to adjacent spaces
Radiant heat test per NFPA 268	Full system including sheathing, Finestone AWRB, Type I EPS (4" thick max) adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat and veneer adhered with MaxGrip. Tested with both stone veneer and thin brick veneer	No surface ignition when exposed to 3950 BTU-h/ft2 (12.5 kW/m2)
Fire endurance (fire resistive rated) per ASTM E119	Fire endurance (fire resistive rated) per ASTM E119 adhered with Finestone base coat, Intermediate 12 mesh embedded in Finestone base coat and veneer adhered with MaxGrip. Tested with both stone veneer and thin brick veneer	No effect on fire resistance rating of existing fire rated base assembly