Impact Wall System RM

Where to Use:
Painted surfaces, plywood, OSB, CMU, concrete, brick and stucco.

Performance Characteristics

Impact and Fire Resistant
Fiber-reinforced base coat has high tensile and flexural strengths.

Durable
Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance. Mechanically applied for greater durability.

Attractive
Provides the appearance of EIFS. A wide variety of decorative coatings, finishes and colors offer design flexibility.

Waterproof Barrier
Provides a waterproof wall. Passes ASTM E514.

Air Barrier
Stops air and water. Prevents passage of liquid and vapor phase water.

Breathability
Allows moisture to diffuse, preventing damage from moisture build-up in the wall system.

Anti-carbonation Barrier
Mitigates carbonation of concrete.

Surface Preparation
Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper bond.
All detailing must be designed prior to the installation of the wall system. This includes all joint construction and any projections through the system.
Expansion joints will be installed where joints occur in the substrate.
Control joints are needed where the system abuts other materials and where there are changes of the substrate and plane.
A test panel is always recommended to ensure compatibility, color and texture.

Building Wrap
Apply felt, building wrap or drainage matt to the existing substrate, following the manufacturer’s recommendations.

Trim Accessories
Fasten joint and trim accessories (Plastic Components) to the substrate mechanically, or with an adhesive.

Corner Bead 1A
is applied to the corners.

Control Joint #2025
(surface mounted) is used within the area to create panels.
All vertical joints need to be continuous, with breaks occurring at the horizontal joint (T-intersections).
Do not overlap accessory joints. Set each accessory butt joint in silicone sealant.
No panel size will exceed 144 ft². The length to width ratio must never exceed 2.5 to 1.

Metal Lath
Install the 2.5# or 3.8# metal lath with non-corrosive mechanical fasteners through the mesh into the substrate.
One mechanical fastener per 1.33 square feet is required (12 inch spacing vertically at 16 inch on center studs).
Cut the lath to full panel lengths, making sure to overlap the flanges of the trim accessories.
Each mesh lap joint needs to overlap at least 2 inches. Install the metal lath over the entire surface of the substrate.

Priming
No priming is required under normal circumstances.

Mixing
Refer to the individual data sheets.

Application

Base Coat
Apply Structural Skin (modified with 2 quarts of K-88 Admix) with a stainless steel trowel to a thickness of 1/16 - 1/8 inches (embedding the metal lath).
Allow to set to a thumbprint.
Apply additional coat at 1/16 - 1/8 inches to achieve a level plane, where desirable.
Cover the entire wall panel without stopping. Trowel smooth to provide a surface receptive to the finish coat.
Alternate base coat is Conpro One Coat.

Finish
Apply Conpro Flex with a stainless steel or flat resin trowel, angled at approximately 30 degrees to the substrate.
Apply using a firm, steady, continuous upward motion.
Apply only as much material as can be finished before initial film is formed (approximately 10 minutes @ 70°F, 50% RH).
Work to natural or artificial break points to prevent cold joints. Always keep a wet edge.
Finish Classicque and Contemporary textures using a circular motion. Baroque is finished in a manner similar to traditional stucco – freestyle.
Alternative finishes include: Conpro Stucco, Conpro Lastic, Color Coat and Super Color Stain.
Additional
Refer to PCA’s Plaster and Stucco manual for detailed design and installation information.

Curing
Refer to the individual data sheets.

Clean Up
Clean tools and equipment with water immediately after use.
Cured material must be removed mechanically.

Coverage/Yield
Refer to the individual data sheets.

Product Handling
Packaging
Refer to the individual data sheets.

Shelf Life
12 months when properly stored.

Storage
Transport and store in cool, clean, dry conditions in unopened containers.
High temperature or high humidity

Limitations
Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40°F for 24 hours. Refer to ACI Cold Weather Application Guidelines.
Do not apply to frozen surfaces.
Protect each application from precipitation, as per data sheets.
All details must be in accordance with the applicable Conproco Exterior Wall System specification.
Protect pail products from freezing.
Keep all products off of floor, under cover and out of direct sunlight.
Protect application from precipitation and high wind for at least 8 hours.

Health and Safety
Product is alkaline.
Do not ingest.
Avoid breathing dust.
Avoid contact with skin and eyes.
Refer to Safety Data Sheet (SDS) for additional information.

First Aid
In case of skin contact, wash thoroughly with soap and water.
For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional.
For respiratory problems, remove person to fresh air.

Disposal
Dispose of material in accordance with local, state and federal regulations.

Technical Data

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface burning</td>
<td>ASTM E84</td>
<td>FSI = 5 - Pass</td>
</tr>
<tr>
<td>Full scale fire test</td>
<td>ASTM E108 Modified</td>
<td>Did not ignite – Pass</td>
</tr>
<tr>
<td>Humidity exposure</td>
<td>FS 141A Method – 6201</td>
<td>Pass</td>
</tr>
<tr>
<td>Salt spray</td>
<td>ASTM B117</td>
<td>Pass</td>
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<tr>
<td>Absorption and freeze/thaw</td>
<td>EIMA 101.01, ASTM C67 Modified</td>
<td>Pass</td>
</tr>
<tr>
<td>Water vapor transmission</td>
<td>ASTM E96</td>
<td>Perms 1.747 grains/(Hr.Ft²)</td>
</tr>
<tr>
<td>Sand abrasion</td>
<td>ASTM D968</td>
<td>500 Liters – Pass</td>
</tr>
<tr>
<td>Accelerated weathering</td>
<td>ASTM G23</td>
<td>2000 hours – Pass</td>
</tr>
<tr>
<td>Mildew resistance</td>
<td>Mil. Std. 810D Method – 508.3</td>
<td>Pass</td>
</tr>
</tbody>
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Conproco warrants this product for one year from the date of manufacture to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product, exclusive of labor or cost of labor. November 4, 2016.

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