AkroFlex Barrier Exterior Insulation and Finish System (EIFS) is a lightweight, multi-component exterior wall assembly. EIFS can resemble traditional stucco, while offering additional energy efficiency, design versatility, weatherability, and durability. For these reasons, EIFS has become one of the most popular cladding options with billions of square feet installed on buildings around the world. Omega Products International is a leader in the EIFS industry with decades of successful installations.

System Description
The AkroFlex Barrier EIF System is a Class PB barrier system designed to keep moisture on the outer surface of the wall and out of the wall assembly. The AkroFlex Barrier System consists of EPS foam board adhesively attached over approved, properly prepared sheathing. A base coat is applied over the foam board with fiberglass mesh fully embedded in the base coat. Lastly, primer (optional) and AkroFlex 100% acrylic finish are applied.

Design Considerations
- May be applied over the following:
  - Steel or wood framed construction with the following substrates:
    - ASTM C1396 water-resistant gypsum sheathing
    - ASTM C1177 glassmat faced gypsum sheathing
    - ASTM C1325 cement boards
    - Exterior grade or exposure 1 plywood
    - Exposure 1 OSB
  - Poured concrete or masonry
- May be applied over fire-resistive-rated construction without adversely affecting the rating or is available in EIFS specific fire-resistive-rated assemblies
- Available in non-combustible assemblies
- May be panelized to meet project construction needs
- Visit www.omega-products.com for additional design and installation requirements, including the ICC-ES ESR-2064 report, specification (OP901), standard system details (APB), and individual product data sheets

Uses
The AkroFlex Barrier System is an excellent exterior wall cladding for new or retrofit commercial or institutional projects. For framed walls in IBC Type V Group R1-R4 or IRC construction, an AkroFlex water managed system EIF must be used.

AKROFLEX EIFS ADVANTAGES

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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</thead>
<tbody>
<tr>
<td>Energy Efficient/Green</td>
<td>Reduces operating energy costs due to increased wall insulation and reduced air infiltration</td>
</tr>
<tr>
<td>Design Flexibility</td>
<td>Can be fashioned into virtually any shape or design and is available in a wide selection of colors and textures</td>
</tr>
<tr>
<td>Lightweight</td>
<td>Reduces the structural load requirements</td>
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<tr>
<td>Weather-Resistant</td>
<td>Protects integrity of the building envelope</td>
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<tr>
<td>Durable</td>
<td>Fade, crack, abrasion, and dirt pickup resistant; low life cycle costs</td>
</tr>
<tr>
<td>System Warranty</td>
<td>Up to 18-years when used in combination with other Omega products</td>
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</tbody>
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Approved by: ____________________________ Date: ________________
AkroFLEX Barrier EIFS
A Class PB Exterior Insulation and Finish System

System Components

Adhesives and Base Coats
The following products may be used as an adhesive and/or base coat:

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>USE</th>
<th>PACKAGING</th>
<th>SPECIAL USES</th>
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<tbody>
<tr>
<td>StyroBond</td>
<td>Adhesive</td>
<td>Pail</td>
<td>Can be used over wood sheathing</td>
</tr>
<tr>
<td>StyroGlue</td>
<td>Adhesive or Base Coat</td>
<td>Bag</td>
<td></td>
</tr>
<tr>
<td>DryBond</td>
<td>Adhesive or Base Coat</td>
<td>Bag</td>
<td></td>
</tr>
<tr>
<td>Plus</td>
<td>Adhesive or Base Coat</td>
<td>Pail</td>
<td>Highly water-resistant</td>
</tr>
<tr>
<td>TF</td>
<td>Base Coat</td>
<td>Pail</td>
<td>Fiber-reinforced, tintable</td>
</tr>
</tbody>
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Water-resistive/Air Barrier Assembly (Optional)²

AkroGuard Water-Resistive Air Barrier Assembly consists of a field applied, non-cementitious, flexible coating and joint/transition treatments that create a water-resistive air barrier assembly.

EPS Foam Board¹
Type I EPS board complying with ASTM C578 with a nominal density of 1 pound per cubic foot, a flame-spread rating of 25 or less, a smoke-developed rating not exceeding 450, and a thickness of 1 to 4-inches.

Reinforcing Mesh
AkroFlex Meshes are alkali-resistant woven glass fiber fabrics specially designed to be used with AkroFlex EIF Systems. Meshes are available in a range of weights that provide different levels of strength and impact resistance.

Heavy Duty Mesh (200z): For locations requiring the highest impact resistance, such as ground floors and high traffic areas. Butt joints tightly, do not overlap.

Intermediate Mesh (150z): For locations requiring additional impact resistance, such as medium traffic areas. Butt joints tightly, do not overlap.

Standard Mesh (450z): For locations requiring standard impact resistance, such as second stories or other low traffic areas where impact is unlikely.

Starter Mesh (450z): For wrapping and detail work.

Installation & Design Requirements

- Substrates must be structurally sound, clean, dry, and free of all material that may reduce bonding of the adhesive.
- Maximum allowable deflection of structural wall components is 1/240 of the span. Final expansion and control joint design and location are the responsibility of the design professional.
- Sealants must be compatible with the adjacent EIFS components, be approved by Omega Products, and must meet ASTM C920 (Type S or M, minimum Grade NS, minimum Class 25, and Use O). Periodic sealant inspections required per sealant’s manufacturer’s requirements.
- Expansion joints are required at dissimilar substrates, floor lines in wood-framed construction in which lumber shrinkage will occur, where through wall expansion joints occur, where the EIFS abuts another material, and where structural movement is anticipated.
- Store and apply all component products per the product’s data sheet.
- Do not use below grade. Terminate a minimum of 8-inches above grade, 6-inches above finished grade, or as specified by local code.
- System must be properly flashed and sealed to prevent moisture from entering the wall assembly.
- Do not apply system when the ambient and surface temperatures are below 40°F (4°C). The use of OmegaCure will improve the hydration of cement-based adhesives and base coats at low temperatures.

Primer (Optional)²
AkroFlex Base Primer is 100% acrylic-based primer designed to promote bond strength, color consistency and uniform suction, while increasing water resistance.

AkroFlex Finishes
AkroFlex 100% acrylic based finishes use the latest Dirt Pickup Resistance (DPR) technology, to provide long lasting, weather-resistant, durable finishes that will resist discoloration, fading, or mold growth. A wide variety of textures are possible depending on the finish choice and application method. Akrolastic (elastomeric) or AkroSil (silicone enhanced) finishes are also available.

¹ Manufactured by others.
² The use of primer and/or AkroGuard will increase the length of the system’s warranty.