Senershield-R
Vapor Permeable Air/Water-Resistant Barrier Membrane

APPLICATION

For Best Performance

Senershield-R is an acrylic latex-based, water-repellent air/water-resistant barrier membrane for use as an exterior cladding system. It is compatible with most of our insulation products and acts as an air barrier and water vapor retarder. It is also used as an air permeability barrier system. Senershield-R is an acrylic latex-based, water-repellent air/water-resistant barrier membrane for use as an exterior cladding system. It is compatible with most of our insulation products and acts as an air barrier and water vapor retarder. It is also used as an air permeability barrier system.

Senershield-R

MIXING

1. Use 100% water or similar water substitute that is free of any substances that have been used to clean a paintbrush or paint container. Do not use a container that has been cleaned with a petroleum-based product. Do not use any container that has contained or been cleaned with a petroleum-based product. Do not use any container that has contained or been cleaned with a petroleum-based product.

2. Senershield-R is a sensitive, water-based coating that is affected by water. The pre-wetting only needs to be done once at the beginning of a workday. The pre-wetting process is necessary to prevent the formation of air pockets and to ensure a smooth, uniform application. The pre-wetting process is necessary to prevent the formation of air pockets and to ensure a smooth, uniform application. Do not apply Senershield-R to surfaces that have been pre-wet in the past.

3. Do not pre-wet areas that are being worked on.

4. Clean tools and equipment with water immediately after use. Tools and equipment can only be re-used if thoroughly cleaned.

APPLICATION

Job Conditions

The substrate shall be dry, clean, sound and free of release agents, paint or other residue or coatings. Verify substrate is flat, free of fins or surface deficiencies, etc. Repair deficiencies and areas that are not suitable for treatment of rough openings and sheathing joints. Substrate shall be dry, clean, sound and free of release agents, paint or other residue or coatings. Verify substrate is flat, free of fins or surface deficiencies, etc. Repair deficiencies and areas that are not suitable for treatment of rough openings and sheathing joints.

For Best Performance

Pre-wet Senershield-R is a 20 mil thick coating. In addition, for a uniform film thickness, a fully loaded roller pad is required to obtain a consistent, minimum 10 mil thickness. Prior to application of the second coat, visually inspect the Substrate for voids, pinholes, etc. All sheathing joints, surface deficiencies, etc. Repair deficiencies and areas that are not suitable for treatment of rough openings and sheathing joints.

Senershield-R

Vapor Permeable Air/Water-Resistant Barrier Membrane

Senershield-R

MIXING

1. Use 100% water or similar water substitute that is free of any substances that have been used to clean a paintbrush or paint container. Do not use any container that has been cleaned with a petroleum-based product. Do not use any container that has contained or been cleaned with a petroleum-based product.

2. Senershield-R is a sensitive, water-based coating that is affected by water. The pre-wetting only needs to be done once at the beginning of a workday. The pre-wetting process is necessary to prevent the formation of air pockets and to ensure a smooth, uniform application. The pre-wetting process is necessary to prevent the formation of air pockets and to ensure a smooth, uniform application. Do not apply Senershield-R to surfaces that have been pre-wet in the past.

3. Do not pre-wet areas that are being worked on.

4. Clean tools and equipment with water immediately after use. Tools and equipment can only be re-used if thoroughly cleaned.

APPLICATION

Job Conditions

The substrate shall be dry, clean, sound and free of release agents, paint or other residue or coatings. Verify substrate is flat, free of fins or surface deficiencies, etc. Repair deficiencies and areas that are not suitable for treatment of rough openings and sheathing joints. Substrate shall be dry, clean, sound and free of release agents, paint or other residue or coatings. Verify substrate is flat, free of fins or surface deficiencies, etc. Repair deficiencies and areas that are not suitable for treatment of rough openings and sheathing joints.

For Best Performance

Pre-wet Senershield-R is a 20 mil thick coating. In addition, for a uniform film thickness, a fully loaded roller pad is required to obtain a consistent, minimum 10 mil thickness. Prior to application of the second coat, visually inspect the Substrate for voids, pinholes, etc. All sheathing joints, surface deficiencies, etc. Repair deficiencies and areas that are not suitable for treatment of rough openings and sheathing joints.
SENERSHIELD-R complies with the air barrier requirements of the Massachusetts State Energy Code.

Advantages

- Meets ICC-ES AC 212 water-resistance test.
- Meets qualified air barrier criterion for water barrier material for the entire building.
- Meets requirements of ICC-ES AC 148, can be used as a flexible flashing in high moisture or through-wall penetrations.
- Self-sealing, meets ASTM 1100 durability requirements.
- Approved for System Wall System: full wall systems meeting or exceeding 85% AATCC 127-1985.
- Low-odor, contains no toxic or harmful components.
- Complements lightweight, low-cost spray equipment.
- Easy application.
- Meets or exceeds AATCC 127-1985.

Test Results

- ICC-ES AC 212: Meets requirements after 10 cycles freeze-thaw.
- AAMA 711: Meets requirements after 10 cycles freeze-thaw.
- ASTM D 321: Meets requirements after 10 cycles freeze-thaw.
- ASTM D 523: Meets requirements after 10 cycles freeze-thaw.
- ASTM D 72: Meets requirements after 10 cycles freeze-thaw.
- ASTM D 123: Meets requirements after 10 cycles freeze-thaw.
- ASTM E 2357: Meets requirements after 10 cycles freeze-thaw.
- ASTM E 2485 (Method B): Meets requirements after 10 cycles freeze-thaw.
- ASTM E 4541: Meets requirements after 10 cycles freeze-thaw.
- ASTM E 197: Meets requirements after 10 cycles freeze-thaw.
- ASTM E 96: Meets requirements after 10 cycles freeze-thaw.
- ASTM E 1233: Meets requirements after 10 cycles freeze-thaw.
- ASTM E 72: Meets requirements after 10 cycles freeze-thaw.
- ASTM D 3330 Method F: Meets requirements after 10 cycles freeze-thaw.
- AATCC 127-1985: Meets requirements after 10 cycles freeze-thaw.

Warning: Apply only to exterior wall substrates that have been tested and approved by ICC-ES or CCMC.

For use over the following exterior wall substrates:
- Pressed wood or oriented strand board (OSB), gypsum sheathing (ASTM C79/ASTM C1396) and other cement-boards (ASTM C1325 Type A Exterior), Untreated wood substrates. It provides excellent secondary moisture protection behind SENERSHIELD-R.
- DensGlass exterior sheathing, e2XP sheathing, GlasRoc sheathing, For use over the following exterior wall substrates:
- Solids
- Securock glass-mat sheathing, Weather Defense Platinum sheathing, GreenGlass sheathing, PermaBase cement-board by National Gypsum
- Exposed I OSB, gypsum sheathing (ASTM C79/ASTM C1396) and other cement-boards (ASTM C1325 Type A Exterior), Untreated wood substrates. It provides excellent secondary moisture protection behind SENERSHIELD-R.
- SENERSHIELD-R is a one-component, fluid-applied vapor permeable coating used as a flexible flashing in rough openings or through-wall penetrations. It is compatible with lightweight, low-cost spray equipment; fast, easy, economical application.
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance.
- Nonflammable as applied; promotes workplace safety.
- One component, water-based, very low VOC content; safe for workers and the environment, low odor, easy application.
- Approved for Senergy Wall Systems; full system warranty with Senergy EIFS and stucco wall claddings.
- Meets requirements of ICC-ES AC 148; can be used as a flexible flashing in rough openings or through-wall penetrations.
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance.
- Nonflammable as applied; promotes workplace safety.
- One component, water-based, very low VOC content; safe for workers and the environment, low odor, easy application.
- Approved for Senergy Wall Systems; full system warranty with Senergy EIFS and stucco wall claddings.
- Meets requirements of ICC-ES AC 148; can be used as a flexible flashing in rough openings or through-wall penetrations.
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance.
- Nonflammable as applied; promotes workplace safety.
- One component, water-based, very low VOC content; safe for workers and the environment, low odor, easy application.
- Approved for Senergy Wall Systems; full system warranty with Senergy EIFS and stucco wall claddings.
- Meets requirements of ICC-ES AC 148; can be used as a flexible flashing in rough openings or through-wall penetrations.
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance.
- Nonflammable as applied; promotes workplace safety.
- One component, water-based, very low VOC content; safe for workers and the environment, low odor, easy application.
- Approved for Senergy Wall Systems; full system warranty with Senergy EIFS and stucco wall claddings.
- Meets requirements of ICC-ES AC 148; can be used as a flexible flashing in rough openings or through-wall penetrations.
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance.
- Nonflammable as applied; promotes workplace safety.
- One component, water-based, very low VOC content; safe for workers and the environment, low odor, easy application.
- Approved for Senergy Wall Systems; full system warranty with Senergy EIFS and stucco wall claddings.
**SENERSHIELD-R** complies with the air barrier requirements of the Massachusetts State Energy Code.

**USES**
- For use over the following exterior wall substrates:Primer-coated exterior facing, ASTM C1325 Type A Exterior, Untreated Substrates,Primed Concrete, 4" or 6" high-heat, thin-bridge, acrylate, and a cementitious coating.
- Do not use SENERSHIELD-R for below-grade applications or on surfaces subject to water immersion.

**DESCRIPTION**
SENERSHIELD-R is a one-component, fluid-applied vapor permeable, A slipsheet is required for stucco claddings. It provides excellent secondary moisture protection behind substrates. It provides excellent secondary moisture protection behind roller-, brush-, or trowel-applied directly to approved above grade wall substrates including brick, siding, metal panels, EPS and steel. A digital application for brick cladding is also available. For below-grade applications or on surfaces subject to water immersion.

**COLOR**

**ADVANTAGES**
- No primer required; single pass application on most substrates
- Compatible with lightweight, low-cost spray equipment; fast, easy, economical application
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance
- Liquid-applied, continuously-bonded membrane; eliminates seams, lap joints and staples; transmits wind loads directly to the substrate
- Meets ICC-ES AC 212 water-resistive barrier tests; one fully qualified air/water-resistive barrier material for the entire building
- Spray and backroll for optimum coverage rate. Other application methods may provide less coverage.

**USES**
- For use over the following exterior wall substrates:Primer-coated exterior facing, ASTM C1325 Type A Exterior, Untreated Substrates,Primed Concrete, 4" or 6" high-heat, thin-bridge, acrylate, and a cementitious coating.
- Do not use SENERSHIELD-R for below-grade applications or on surfaces subject to water immersion.

**DESCRIPTION**
SENERSHIELD-R is a one-component, fluid-applied vapor permeable, A slipsheet is required for stucco claddings. It provides excellent secondary moisture protection behind roller-, brush-, or trowel-applied directly to approved above grade wall substrates including brick, siding, metal panels, EPS and steel. A digital application for brick cladding is also available. For below-grade applications or on surfaces subject to water immersion.

**COLOR**

**ADVANTAGES**
- No primer required; single pass application on most substrates
- Compatible with lightweight, low-cost spray equipment; fast, easy, economical application
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance
- Liquid-applied, continuously-bonded membrane; eliminates seams, lap joints and staples; transmits wind loads directly to the substrate
- Meets ICC-ES AC 212 water-resistive barrier tests; one fully qualified air/water-resistive barrier material for the entire building
- Spray and backroll for optimum coverage rate. Other application methods may provide less coverage.

**USES**
- For use over the following exterior wall substrates:Primer-coated exterior facing, ASTM C1325 Type A Exterior, Untreated Substrates,Primed Concrete, 4" or 6" high-heat, thin-bridge, acrylate, and a cementitious coating.
- Do not use SENERSHIELD-R for below-grade applications or on surfaces subject to water immersion.

**DESCRIPTION**
SENERSHIELD-R is a one-component, fluid-applied vapor permeable, A slipsheet is required for stucco claddings. It provides excellent secondary moisture protection behind roller-, brush-, or trowel-applied directly to approved above grade wall substrates including brick, siding, metal panels, EPS and steel. A digital application for brick cladding is also available. For below-grade applications or on surfaces subject to water immersion.

**COLOR**

**ADVANTAGES**
- No primer required; single pass application on most substrates
- Compatible with lightweight, low-cost spray equipment; fast, easy, economical application
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance
- Liquid-applied, continuously-bonded membrane; eliminates seams, lap joints and staples; transmits wind loads directly to the substrate
- Meets ICC-ES AC 212 water-resistive barrier tests; one fully qualified air/water-resistive barrier material for the entire building
- Spray and backroll for optimum coverage rate. Other application methods may provide less coverage.

**USES**
- For use over the following exterior wall substrates:Primer-coated exterior facing, ASTM C1325 Type A Exterior, Untreated Substrates,Primed Concrete, 4" or 6" high-heat, thin-bridge, acrylate, and a cementitious coating.
- Do not use SENERSHIELD-R for below-grade applications or on surfaces subject to water immersion.

**DESCRIPTION**
SENERSHIELD-R is a one-component, fluid-applied vapor permeable, A slipsheet is required for stucco claddings. It provides excellent secondary moisture protection behind roller-, brush-, or trowel-applied directly to approved above grade wall substrates including brick, siding, metal panels, EPS and steel. A digital application for brick cladding is also available. For below-grade applications or on surfaces subject to water immersion.

**COLOR**

**ADVANTAGES**
- No primer required; single pass application on most substrates
- Compatible with lightweight, low-cost spray equipment; fast, easy, economical application
- Spray-, roller-, trowel- or brush-applied; versatile, applicator-friendly performance
- Liquid-applied, continuously-bonded membrane; eliminates seams, lap joints and staples; transmits wind loads directly to the substrate
- Meets ICC-ES AC 212 water-resistive barrier tests; one fully qualified air/water-resistive barrier material for the entire building
- Spray and backroll for optimum coverage rate. Other application methods may provide less coverage.
SENERSHIELD-R complies with the air barrier requirements of the Massachusetts State Energy Code.

**USES**
For use over the following exterior wall substrates:
- Prilled controlled-release coating ASTM C1177 type shingles, including DensCoat® exterior sheathing, e2XP® sheathing, Scala® glass mat sheathing, Weather Defense® "Marvin" sheathing.
- General sheathing, Permeable® current bond by Federal Express and other current bonded ASTM C1177 type (A-type) Unfired Exposure I or exterior plywood sheathing grade C-D or better, Untreated wall claddings including brick, siding, metal panels, EIFS and stucco.

**DESCRIPTION**
SENERSHIELD-R is a one-component, fluid-applied vapor permeable self-sealing, meets ASTM D 1970 Nail Sealability requirements, can be used as a flexible flashing in rough openings or through-wall penetrations.

**ADVANTAGES**
- Spray-roller-trowel- or brush-applied; versatile, applicator-friendly performance
- Nonflammable as applied; promotes workplace safety
- Liquid-applied, continuously-bonded membrane; eliminates seams, lap joints and staples; transmits wind loads directly to the substrate
- Self-sealing; meets ASTM D 1970 Nail Sealability requirements
- Meets requirements of ICC-ES AC 148; can be used as a flexible flashing in rough openings or through-wall penetrations
- Meets ICC-ES AC 212 water-resistive barrier tests; one fully qualified air/water-resistive barrier material for the entire building
- Acceptable Sheathing ASTM E 235
- Acceptable Insulation Board ASTM E 235
- Acceptable Reinforcing Mesh ASTM E 325
- Acceptable Adhesive ASTM E 235

**TEST RESULTS**

<table>
<thead>
<tr>
<th>TESTRODUCTION</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Leakage of Air Barrier Assemblies ASTM E 235</td>
<td>&gt;103 kPa (15 psi) avg; no failure of the lamina after 10 cycles freeze-thaw</td>
</tr>
<tr>
<td>Air Permeance of Building Materials ASTM E 235</td>
<td>0.0005 mv* / (h · cm² · in) @ 5 Psig (3.4 kPa) (2.6 gpm) per linear foot @ 1.5 in. water head; all tests over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
<tr>
<td>Rate of Air Leakage ASTM E 265</td>
<td>0.0195 mv* / (h · cm² · in) (0.003 psi) ASTM D 618-77</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 351</td>
<td>10 perms (40 mm) in 8 hr. @ 10 in. water head(127 mm) above water level after a 3 day @ 29°C (85°F)</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 408</td>
<td>Permeability = 15</td>
</tr>
<tr>
<td>Air Permeance of Building Materials ASTM E 235</td>
<td>0.0049 l/s · m² @ 75 Pa (0.00098 cfm/ft²@ 1.57 psf)</td>
</tr>
<tr>
<td>Air Leakage of Air Barrier Assemblies ASTM E 235</td>
<td>&gt;103 kPa (15 psi) Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
</tbody>
</table>

**TEST RESULTS**
- CCMC Tech Guide 07240

<table>
<thead>
<tr>
<th>TESTRODUCTION</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption ASTM E 88</td>
<td>No visible effects (cracking, flaking, other deleterious effects) at 0.04 psi (2.7 kPa) after 24 hour water immersion</td>
</tr>
<tr>
<td>Water Absorption ASTM E 88</td>
<td>No visible effects (cracking, flaking, other deleterious effects) at 0.04 psi (2.7 kPa) after 24 hour water immersion</td>
</tr>
<tr>
<td>Accelerated Weather Resistance ASTM E 88</td>
<td>No visible effects (cracking, flaking, other deleterious effects) after 240 hour total exposure</td>
</tr>
<tr>
<td>Joint Disruption Resistance ASTM E 88</td>
<td>No cracking, delamination or other deleterious effects at 0.04 psi (2.7 kPa) after 24 hour water immersion</td>
</tr>
<tr>
<td>Joint Disruption Resistance ASTM E 88</td>
<td>No cracking, delamination or other deleterious effects at 0.04 psi (2.7 kPa) after 24 hour water immersion</td>
</tr>
</tbody>
</table>

**PACKAGING**
- 27.2 kg per 19-liter pail (60 lbs per 5-gallon pail)
- 46 m² (500 ft²) per pail
- 85 m (280 ft) per pail

**Substrate**
- Walls: spray-applied; versatile, applicator-friendly performance
- Roofs: spray-applied, versatile, applicator-friendly performance

**DO NOT USE SENERSHIELD-R**
* Spray Application. Actual results may vary depending on surface porosity, moisture uptake, application and other factors.

**MOISTURE CONTROL**
- Spray-applied; versatile, applicator-friendly performance
- Spray-applied; versatile, applicator-friendly performance
- Spray-applied; versatile, applicator-friendly performance

**ADVANTAGES**
- Spray-roller-trowel- or brush-applied; versatile, applicator-friendly performance
- Nonflammable as applied; promotes workplace safety
- Liquid-applied, continuously-bonded membrane; eliminates seams, lap joints and staples; transmits wind loads directly to the substrate
- Self-sealing; meets ASTM D 1970 Nail Sealability requirements
- Meets requirements of ICC-ES AC 148; can be used as a flexible flashing in rough openings or through-wall penetrations
- Meets ICC-ES AC 212 water-resistive barrier tests; one fully qualified air/water-resistive barrier material for the entire building

**TEST RESULTS**

<table>
<thead>
<tr>
<th>TESTRODUCTION</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Leakage of Air Barrier Assemblies ASTM E 235</td>
<td>&gt;103 kPa (15 psi) avg; no failure of the lamina after 10 cycles freeze-thaw</td>
</tr>
<tr>
<td>Air Permeance of Building Materials ASTM E 235</td>
<td>0.0005 mv* / (h · cm² · in) @ 5 Psig (3.4 kPa) (2.6 gpm) per linear foot @ 1.5 in. water head; all tests over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
<tr>
<td>Rate of Air Leakage ASTM E 265</td>
<td>0.0195 mv* / (h · cm² · in) (0.003 psi) ASTM D 618-77</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 351</td>
<td>10 perms (40 mm) in 8 hr. @ 10 in. water head(127 mm) above water level after a 3 day @ 29°C (85°F)</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 408</td>
<td>Permeability = 15</td>
</tr>
<tr>
<td>Air Permeance of Building Materials ASTM E 235</td>
<td>0.0049 l/s · m² @ 75 Pa (0.00098 cfm/ft²@ 1.57 psf)</td>
</tr>
<tr>
<td>Air Leakage of Air Barrier Assemblies ASTM E 235</td>
<td>&gt;103 kPa (15 psi) Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
</tbody>
</table>

**TEST RESULTS**
- CCMC Tech Guide 07240

<table>
<thead>
<tr>
<th>TESTRODUCTION</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption ASTM E 88</td>
<td>No visible effects (cracking, flaking, other deleterious effects) at 0.04 psi (2.7 kPa) after 24 hour water immersion</td>
</tr>
<tr>
<td>Water Absorption ASTM E 88</td>
<td>No visible effects (cracking, flaking, other deleterious effects) at 0.04 psi (2.7 kPa) after 24 hour water immersion</td>
</tr>
<tr>
<td>Accelerated Weather Resistance ASTM E 88</td>
<td>No visible effects (cracking, flaking, other deleterious effects) after 240 hour total exposure</td>
</tr>
</tbody>
</table>

**FACTOR SHEET**
- 228.5 mm x 54.8 m (9” x 180 ft) roll
- 152.4 mm x 54.8 m (6” x 180 ft) roll
- 101.5 mm x 54.8 m (4” x 180 ft) roll

**TEST RESULTS**

<table>
<thead>
<tr>
<th>TESTRODUCTION</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Leakage of Air Barrier Assemblies ASTM E 235</td>
<td>&gt;103 kPa (15 psi) avg; no failure of the lamina after 10 cycles freeze-thaw</td>
</tr>
<tr>
<td>Air Permeance of Building Materials ASTM E 235</td>
<td>0.0005 mv* / (h · cm² · in) @ 5 Psig (3.4 kPa) (2.6 gpm) per linear foot @ 1.5 in. water head; all tests over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
<tr>
<td>Rate of Air Leakage ASTM E 265</td>
<td>0.0195 mv* / (h · cm² · in) (0.003 psi) ASTM D 618-77</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 351</td>
<td>10 perms (40 mm) in 8 hr. @ 10 in. water head(127 mm) above water level after a 3 day @ 29°C (85°F)</td>
</tr>
<tr>
<td>Water Vapor Transmission ASTM E 408</td>
<td>Permeability = 15</td>
</tr>
<tr>
<td>Air Permeance of Building Materials ASTM E 235</td>
<td>0.0049 l/s · m² @ 75 Pa (0.00098 cfm/ft²@ 1.57 psf)</td>
</tr>
<tr>
<td>Air Leakage of Air Barrier Assemblies ASTM E 235</td>
<td>&gt;103 kPa (15 psi) Tested over exterior gypsum sheathing, ASTM C1177 glass-mat sheathing, cement board, OSB, plywood</td>
</tr>
</tbody>
</table>
**Senershield-R**

**Vapor Permeable Air/Water-Resistive Barrier Membrane**

**Surface Preparation**

Substrate shall be dry, smooth, and free of dust, dirt, contaminants, or other residues or coatings. Verify substrate is flat, free of fins or undulations, and corrected before application of Senershield-R.

**For Best Performance**

- Prior to application of EPS insulation boards for EIFS or alternative cladding installation, protective finish is required. In the absence of protective finish, Senershield-R is free of voids, pinholes, etc. All sheathing joints, terminations, residuals and inside corners must be retraced with Senershield-R. Senershield-R is used to create an continuous and uninterrupted vapor permeable air/water-resistive barrier.
- If necessary, apply a second coat of Senershield-R to ensure a complete, void-free membrane.
- **Drying Time**
  - Allow to cure completely, 2 to 10 hours, before proceeding with EIFS or other substrate installation. Protection from rain and from temperatures below less than 4°C (40°F) for 24 hours.

**LIMITATIONS**

- **Shipping & Storage**
  - Product Senershield-R is a damaged transportation and installation to avoid accidental spills. Protect from moisture and install in code, site and project protected from freezing. Exposed at or below -4°C (25°F) for 24 hours.
  - **Stacking** Do not stack pallets.

**Senershield-R**

**Safety and Health**

**Caution**

May be harmful if in eyes or if skin contact results. Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing.

**First Aid**

For skin contact, wash with soap and water any contaminated areas, and continue flushing with plenty of water for several minutes. Seek medical attention for irritation development and periods. For eye contact, wash affected area with plenty of water and seek medical attention for irritation development and periods.

**Precautions**

Protect BASF materials during transportation and installation to avoid accidental spills. Protect from moisture and install in code, site and project protected from freezing. Exposed at or below -4°C (25°F) for 24 hours.

**Handling Disposal of Wastes**

Waste from Senershield-R is considered a hazardous waste and shall be disposed of in a manner consistent with all applicable laws and regulations. It is the responsibility of the user to determine whether a waste generated by the use of Senershield-R is hazardous waste and shall comply with all applicable laws and regulations. Consult the BASF Wall Systems Technical Services Department for specific recommendations concerning the disposal of all wastes.

**Fiberglass**

- The design and systems for external insulation and finish (EIFS) are covered by separate literature. Consult the BASF Wall Systems Technical Services Department for additional information about products and systems and for updated literature.
**Senershield-R**

**Vapor Permeable Air/Water-Resistant Barrier Membrane**

**APPLICATION**

1. Use directly from original packaging or prepare in a container that has not contained or been cleaned with a petroleum-based product.

2. Mix Senershield-R with a clean, rust-free paddle and drill until the required consistency is reached. Do not use a container which has contained or been cleaned with a petroleum-based product.

3. Additives are not permitted.

4. Do not apply Senershield-R to an interior wall in a new building.

5. Clean tools and equipment with water immediately after use. Do not use any chemical cleaning agents or solvents. Water will not damage the equipment and may be used to clean Senershield-R.

**LIMITATIONS**

1. Use Senershield-R in atmospheres at a temperature below 4°C (40°F).

2. Rain, frost, snow, sleet, ice or water dripping, spraying, misting, fog or dew shall not be permitted during application.

3. Do not apply Senershield-R in ambient temperature below 4°C (40°F).

4. Do not apply Senershield-R to an interior wall in a new building.

5. Do not stack pallets.

**HAZARDS AND PRECAUTIONS**

- **Health and Safety**
  - **Caution**
  - When using Senershield-R, read Material Safety Data Sheet before using this product.
  - Avoid breathing dust or mist of Senershield-R.
  - Keep out of the reach of children.
  - Store Senershield-R in a cool, dry place protected from heat and direct sunlight.
  - If the material contains or has contained a petroleum-based product, do not use a container that has previously contained or been cleaned with a petroleum-based product.
  - Do not stack pallets.
  - Do not apply Senershield-R in ambient temperature below 4°C (40°F).
  - Do not use any chemical cleaning agents or solvents.
  - Water will not damage the equipment and may be used to clean Senershield-R.

- **Technical Assistance**
  - Consult the BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senershield-R technical bulletin for additional information about products and systems and for updated literature.

**NOTES**

- Additional information on Senershield-R can be found by testing and carried out only by qualified experts. It is the sole responsibility of the user to verify the suitability of our material and the tests that are performed.

- All information and advice are based on BASF's present knowledge and progress or further developments. It is the customer's responsibility and obligation to carefully review and test the material before using it.

- This information and all further technical advice are based on BASF's present knowledge and is not to be verified by testing and carried out only by qualified experts. It is the sole responsibility of the user to verify the suitability of our material and the tests that are performed.

- All information and advice are based on BASF's present knowledge and progress or further developments. It is the responsibility of the user to verify the suitability of our material and the tests that are performed.