THE LEADER IN FLUID-APPLIED ROOF RESTORATION

Founded in Mobile, Alabama in 2004, American WeatherStar is an established leader in the fluid-applied roof restoration industry. We are a full-line supplier of high-quality, energy-efficient roof coating systems and products designed to restore and protect a variety of different commercial and industrial roof substrates.

American WeatherStar systems are proven to stop leaks, reduce energy costs, cool internal building temperatures, prolong roof life, and cost half as much as a conventional roof replacement. We work closely with our approved contractors to ensure the highest-quality workmanship, exceptional service, and long-lasting results. We offer a complete line of high-performance, energy-efficient roof coatings, sealants, primers, cleaners, commercial roofing accessories, and roof maintenance and repair products.

This guide to American WeatherStar systems and products is designed to help Approved Contractors better understand the many versatile and high-quality solutions that we provide. For more information on American WeatherStar fluid-applied roof restoration systems and products, visit www.americanweatherstar.com.

HEADQUARTERS:
3100 Lees Lane
Mobile, AL 36693

CONTACT:
Toll Free: 800.771.6643
Office: 251.476.7385
Fax: 251.479.3602
www.americanweatherstar.com
info@americanweatherstar.com

WAREHOUSE LOCATIONS:
• Atlanta, GA
• Dallas, TX
• San Juan, PR

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URETHANE-SILICONE SOLUTION FOR FLAT ROOF RESTORATION

The Ure-A-Sil roof restoration system is proven to renew and protect a variety of different commercial flat roofing substrates. The Ure-A-Sil system combines a urethane base coat with a silicone top coat to achieve the ultimate level of performance, durability, UV stability, and protection against ponding water conditions.

Roof restoration with Ure-A-Sil costs half as much as a conventional roof replacement and is proven to drastically reduce energy costs by decreasing internal building temperatures. The Ure-A-Sil system also provides superior protection against harsh UV rays, which prolongs roof life and helps prevent future degradation.

SYSTEM ADVANTAGES

Cold Weather: Colder temperatures have less effect on the materials that comprise this system, which increases the application time frame.

Longer Warranty Lengths: The Ure-A-Sil system is eligible for a full system or material-only warranty option with 12-year and 15-year term lengths.

Low-Slope Roofs: With superior resistance to ponding water, the Ure-A-Sil system is ideally suited for low-slope roofs with minimal/poor drainage.

Moisture-Cure: This system is comprised of moisture-cure products which make it suitable for use in areas with high probability of rain and/or cold temperatures.

SYSTEM LIMITATIONS

Strong Odor: While not harmful, xylene-based products produce strong fumes that can be potentially problematic to building tenants. To avoid this problem, ensure that all HVAC units are set to recirculate air from within the building.

SYSTEM PRODUCTS

• Silicone 410
• High Solids Silicone 412*
• Aromatic Urethane 520
• Urethane Brush-Grade 522
• Polyester Fabric

*High solids silicone option

SYSTEM DIAGRAM

1. Existing Roof: Modified Bitumen
2. Seams & Details: Urethane Brush-Grade 522
3. Base Coat: Aromatic Urethane 520
4. Top Coat: Silicone 410
LOW-VOC SOLUTION FOR FLAT ROOF RESTORATION

The Envir-O-Sil roof restoration system is a high-performance, low-VOC option for coating commercial flat roofs. The system is designed around the proven performance and versatility of its core component: High Solids Silicone 412.

The Envir-O-Sil system is not only good for your business, it’s safe for the environment. In areas where strict environmental regulations are a factor, the Envir-O-Sil system has been proven to be an environmentally safe solution to restore and protect multiple types of commercial and industrial roof surfaces.

SYSTEM ADVANTAGES

Low-VOC: The Envir-O-Sil system is a low-VOC, environmentally safe solution ideally suited for areas that must adhere to strict environmental regulations.

Low-Odor: Silicone-based coatings are low-odor, unlike xylene-based coatings which produce strong fumes that can be problematic for building tenants.

Moisture-Cure: This system is comprised of moisture-cure products which make it suitable for use in areas with high probability of rain and/or cold temperatures.

SYSTEM LIMITATIONS

Durability: All silicone systems are more susceptible to damage caused by severe weather, mechanical damage, and pedestrian traffic. If durability is a concern, consider using our Ure-A-Sil system.

Adhesion: For certain roof types, a primer application may be required for silicone base coats to achieve maximum adhesion.

SUITABLE SUBSTRATES

• Modified Bitumen
• EPDM
• Single-ply
• Smooth BUR
• Spray Polyurethane Foam

SYSTEM PRODUCTS

• High Solids Silicone 412
• Terminator 622
• Silicone Brush-Grade 422
• Acrylic Bonding Primer 905
• Fabric Bond 930
• Polyester Fabric

SYSTEM DIAGRAM

1 Existing Roof: TPO
2 Seams & Details: Terminator 622
3 Base Coat: High Solids Silicone 412
4 Top Coat: High Solids Silicone 412

I. FLUID-APPLIED ROOFING SYSTEMS
The Met-A-Gard roof coating system is proven to restore and protect commercial metal roofs from harsh external elements. This system sets the standard for quality and affordability in metal roof repair and restoration.

The Met-A-Gard system offers a bright white ENERGY STAR® rated finish that is backed with long-term material and system warranties. The system’s main component is Acrylic 211, which provides superior durability, reflectivity, and mildew resistance. Also, the elongation and tensile strength of Acrylic 211 increase at cooler temperatures.

**SYSTEM ADVANTAGES**

**Economical:** Acrylic roof restoration systems are more cost-effective than most solvent-based solutions available on the market.

**Warm/Dry Weather:** Application in warm/dry weather conditions ensure the success of acrylic (water-based) systems.

**SYSTEM LIMITATIONS**

**Cold Weather:** The products that comprise this system are water-based, meaning colder temperatures can delay the installation process.

**Precipitation:** To avoid material wash-off, application of this system should be avoided if rain is expected.

**SUITEABLE SUBSTRATES**

- Metal

**SYSTEM PRODUCTS**

- Acrylic 211
- Acrylic Brush-Grade 220
- Acrylic Butter-Grade 221
- Red Oxide Rust Prime 912
- Polyester Fabric

**SYSTEM DIAGRAM**

1 Existing Roof: Metal
2 Primer: Red Oxide Rust Prime 912
3 Base Coat: Acrylic 211
4 Top Coat: Acrylic 211

Seams, Fasteners & Details: Acrylic Brush-Grade 220, Acrylic Butter-Grade 221
HIGH-PERFORMANCE ACRYLIC SOLUTION FOR METAL ROOF RESTORATION

The Met-A-Gard+ system is the ultimate solution for commercial metal roof restoration. This system raises the bar with a technologically advanced high-tensile acrylic coating as its main component. The physical properties of this elastomeric coating make it the best choice for extreme climates and color retention.

The Met-A-Gard+ system offers a bright white, ENERGY STAR® rated finish that is backed with long-term material and system warranties. This system uses High Tensile Acrylic 211, which provides the system with superior elongation and tensile strength.

SYSTEM ADVANTAGES

Warm/Dry Weather: Applications performed during warm/dry weather conditions help to ensure the success of acrylic (water-based) systems.

Longer Warranty Lengths: The Met-A-Gard+ system is eligible for a full system or material-only warranty option with 12-year and 15-year term lengths.

Custom Colors: Met-A-Gard+ utilizes High Tensile Acrylic 211 which has superior color retention, making it ideal for custom color roof restoration projects.

SYSTEM LIMITATIONS

Cold Weather: The products that comprise this system are water-based, meaning colder temperatures can delay the installation process.

Precipitation: To avoid material wash-off, application of this system should be avoided if rain is expected.

SUITABLE SUBSTRATES

• Metal

SYSTEM PRODUCTS

• High Tensile Acrylic 211
• Urethane Brush-Grade 522
• Red Oxide Rust Prime 912
• Polyester Fabric

SYSTEM DIAGRAM

1 Existing Roof: Metal
2 Primer: Red Oxide Rust Prime 912
3 Base Coat: High Tensile Acrylic 211
4 Top Coat: High Tensile Acrylic 211

Seams, Fasteners & Details: Urethane Brush-Grade 522
SILICONE SOLUTION FOR METAL ROOF RESTORATION
The Met-A-Sil roof coating system is a premium silicone-based system designed to restore and protect metal roofs. This system provides a bright white ENERGY STAR® rated finish based on the performance of its primary component: Silicone 410.

The Met-A-Sil system is finished with a top coat of Silicone 410, which offers the highest level of UV stability and water resistance available in the industry. Once installed, the Met-A-Sil system forms a highly-reflective, seamless, water-tight membrane that is proven to stop leaks and prevent rust.

SYSTEM ADVANTAGES

Longer Warranty Lengths: This system is available with full system or material-only warranty options with 12 and 15-year term lengths.

Cold Weather: Colder temperatures have less effect on the materials that comprise this system, which increases the application time frame.

Precipitation: This system is comprised of moisture-cure products which make it suitable for application in areas with high probability of rain.

SYSTEM LIMITATIONS

Extremely Slippery: Silicone coated metal roof surfaces are very slippery when moisture is present. If pedestrian traffic is expected, consider using roofing granules to provide a durable, non-slip surface.

SYSTEM PRODUCTS

- Silicone 410
- High Solids Silicone 412*
- Silicone Brush-Grade 422*
- Urethane Brush-Grade 522
- Red Oxide Rust Prime 912
- Polyester Fabric

*SILICONE SOLUTION FOR METAL ROOF RESTORATION
The Met-A-Sil roof coating system is a premium silicone-based system designed to restore and protect metal roofs. This system provides a bright white ENERGY STAR® rated finish based on the performance of its primary component: Silicone 410.

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SYSTEM ADVANTAGES

Longer Warranty Lengths: This system is available with full system or material-only warranty options with 12 and 15-year term lengths.

Cold Weather: Colder temperatures have less effect on the materials that comprise this system, which increases the application time frame.

Precipitation: This system is comprised of moisture-cure products which make it suitable for application in areas with high probability of rain.

SYSTEM LIMITATIONS

Extremely Slippery: Silicone coated metal roof surfaces are very slippery when moisture is present. If pedestrian traffic is expected, consider using roofing granules to provide a durable, non-slip surface.

SYSTEM PRODUCTS

- Silicone 410
- High Solids Silicone 412*
- Silicone Brush-Grade 422*
- Urethane Brush-Grade 522
- Red Oxide Rust Prime 912
- Polyester Fabric

*SILICONE SOLUTION FOR METAL ROOF RESTORATION
The Met-A-Sil roof coating system is a premium silicone-based system designed to restore and protect metal roofs. This system provides a bright white ENERGY STAR® rated finish based on the performance of its primary component: Silicone 410.

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SYSTEM ADVANTAGES

Longer Warranty Lengths: This system is available with full system or material-only warranty options with 12 and 15-year term lengths.

Cold Weather: Colder temperatures have less effect on the materials that comprise this system, which increases the application time frame.

Precipitation: This system is comprised of moisture-cure products which make it suitable for application in areas with high probability of rain.

SYSTEM LIMITATIONS

Extremely Slippery: Silicone coated metal roof surfaces are very slippery when moisture is present. If pedestrian traffic is expected, consider using roofing granules to provide a durable, non-slip surface.

SYSTEM PRODUCTS

- Silicone 410
- High Solids Silicone 412*
- Silicone Brush-Grade 422*
- Urethane Brush-Grade 522
- Red Oxide Rust Prime 912
- Polyester Fabric

*SILICONE SOLUTION FOR METAL ROOF RESTORATION
The Met-A-Sil roof coating system is a premium silicone-based system designed to restore and protect metal roofs. This system provides a bright white ENERGY STAR® rated finish based on the performance of its primary component: Silicone 410.

The Met-A-Sil system is finished with a top coat of Silicone 410, which offers the highest level of UV stability and water resistance available in the industry. Once installed, the Met-A-Sil system forms a highly-reflective, seamless, water-tight membrane that is proven to stop leaks and prevent rust.

SYSTEM ADVANTAGES

Longer Warranty Lengths: This system is available with full system or material-only warranty options with 12 and 15-year term lengths.

Cold Weather: Colder temperatures have less effect on the materials that comprise this system, which increases the application time frame.

Precipitation: This system is comprised of moisture-cure products which make it suitable for application in areas with high probability of rain.

SYSTEM LIMITATIONS

Extremely Slippery: Silicone coated metal roof surfaces are very slippery when moisture is present. If pedestrian traffic is expected, consider using roofing granules to provide a durable, non-slip surface.

SYSTEM PRODUCTS

- Silicone 410
- High Solids Silicone 412*
- Silicone Brush-Grade 422*
- Urethane Brush-Grade 522
- Red Oxide Rust Prime 912
- Polyester Fabric

*High solids silicone option

SYSTEM DIAGRAM

1. Existing Roof: Metal
2. Primer: Red Oxide Rust Prime 912
3. Base Coat: Silicone 410/High Solids Silicone 412*
4. Top Coat: Silicone 410/High Solids Silicone 412*

Seams & Details: Silicone Brush-Grade 422/Urethane Brush-Grade 522*
COATED SPF SOLUTION FOR FLAT ROOF RESTORATION
Foam-Gard is a spray polyurethane foam (SPF) roofing system designed to waterproof roofs and save money on energy costs. Buildings that utilize spray foam insulation typically insulate up to 50% better than other traditional roofing systems.

The Foam-Gard system features various top coat options, making it one of the most versatile solutions available for commercial and industrial roof surfaces. Top-coating SPF with a highly reflective fluid-applied roof coating provides the ultimate level of energy efficiency, climate control, and elemental protection.

SYSTEM ADVANTAGES
Superior Insulation: SPF systems have industry-leading insulative properties that drastically reduce energy consumption and improve interior temperatures.

Superior Strength: SPF systems increase structural integrity and withstand the effects of thermal shock in roof surfaces (normal expansion and contraction).

Versatility: Depending on the roof type, the Foam-Gard system utilizes an acrylic, silicone, or urethane top coat to protect the SPF foundation from the elements.

SYSTEM LIMITATIONS
Application Equipment: The installation equipment is very expensive and requires a high degree of technical knowledge and experience.

Price: Coated SPF systems generally cost more than other roof restoration solutions.

Cold Weather: Colder temperatures can delay the installation process of SPF systems.

SYSTEM DIAGRAM
1 Existing Roof: Smooth BUR
2 Spray Polyurethane Foam: 2.5-3.0 lb density
3 Base Coat: Optional acrylic/silicone/urethane
4 Top Coat: Optional acrylic/silicone/urethane
ACRYLIC 211

PRODUCT DESCRIPTION
Acrylic 211 is an acrylic elastomeric coating that combines high-solids emulsion polymers and potent biocides to provide excellent durability, reflectivity, weatherproofing, and mildew resistance.

FEATURES & BENEFITS
- Highly reflective—reflects 80-90% of UV radiation
- Contains strong mildewcides/fungicides
- Increased tensile strength and elongation at lower temperatures
- Excellent adhesion to various substrates
- Easy to use, easy to clean
- Economical

BASIC USES
Acrylic 211 is ideal for use as a protective and reflective membrane for a variety of roof substrates including metal, spray polyurethane foam, concrete, smooth BUR, modified bitumen, EPDM, and single-ply membranes.

SIZES/PACKAGING
5-gallon (19 liter) pail, 55-gallon (208 liters) drum

PRODUCT COLOR
White, gray, tan

ACRYLIC 211

TECHNICAL DATA

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<tr>
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<th>Value</th>
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<td>Solids by Volume</td>
<td>55% ± 2</td>
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<td>Elongation</td>
<td>233% ± 20</td>
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<td>Tensile Strength</td>
<td>273 psi ± 20</td>
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<td>Shelf Life</td>
<td>24 months (40°F-90°F)</td>
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</table>

*See application guidelines for coverage rate details

Application Equipment: AIRLESS SPRAYER  TANK SPREADER
**HIGH TENSILE ACRYLIC 211**

**PRODUCT DESCRIPTION**
High Tensile Acrylic 211 is a technologically-advanced, high-solids, acrylic elastomeric coating uniquely formulated with high tensile strength and elongation properties.

**FEATURES & BENEFITS**
- Permits uniform, high-build coverage
- Reflects 80-90% of UV radiation
- Excellent color retention—ideal for custom tint projects
- Contains strong mildewcides/fungicides
- Excellent adhesion to various substrates
- Easy to use, easy to clean

**BASIC USES**
High Tensile Acrylic 211 is ideal for use as a protective and reflective coating for a variety of roof substrates including metal, spray polyurethane foam, concrete, smooth BUR, modified bitumen, EPDM, and single-ply membranes.

**SIZES/PACKAGING**
- 5-gallon (19 liter) pail
- 55-gallon (208 liters) drum

**PRODUCT COLOR**
White, gray, tan, premium and custom colors available*

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**BUTYL 310**

**PRODUCT DESCRIPTION**
Butyl 310 is a butyl rubber, elastomeric, vapor-retardant coating designed to provide excellent UV protection and resistance to moisture penetration. Once cured, this polymer forms a durable, seamless, flexible, waterproof membrane that resists cracking and allows for thermal shock (normal expansion and contraction) of the roof structure.

**FEATURES & BENEFITS**
- Excellent vapor retardant barrier
- Highly reflective—reflects 80-90% of UV radiation
- Extremely high tensile strength and elongation
- Very flexible and durable
- Fast drying

**BASIC USES**
Butyl 310 is recommended as a protective vapor barrier coating for a wide variety of substrates including metal, modified bitumen, smooth BUR, single-ply, and spray polyurethane foam. It also contains a strong rust inhibitor, eliminating the need for a primer coat over mildly rusted metal surfaces.

**SIZES/PACKAGING**
- 5-gallon (19 liter) pail
- 55-gallon (208 liters) drum

**PRODUCT COLOR**
White, gray, tan, premium and custom colors available*

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*See application guidelines for coverage rate details

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**TECHNICAL DATA**

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<th>Solids by Volume</th>
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<td>Tensile Strength</td>
<td>500 psi ± 50</td>
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<td>Shelf Life</td>
<td>24 months (40°F-90°F)</td>
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*See application guidelines for coverage rate details
**SILICONE 410**

**PRODUCT DESCRIPTION**
Silicone 410 is a single-component, solvent-borne, moisture-cure, high-solids silicone roof coating designed to form a seamless, protective, weather-resistant membrane capable of withstanding ponding water and providing excellent UV protection.

**FEATURES & BENEFITS**
- Highly reflective—reflects 80-90% of UV radiation
- Capable of withstanding ponding water
- Excellent UV protection
- Highly flexible and durable
- Superior adhesive and cohesive strength
- High-solids content

**BASIC USES**
Silicone 410 is ideal for use as a protective and reflective coating for a variety of different roof substrates including metal, spray polyurethane foam, smooth BUR, modified bitumen, EPDM, and single-ply membranes.

**SIZES/PACKAGING**
5-gallon (19 liter) pails, 50-gallon (208 liters) drums

**PRODUCT COLOR**
White, gray, tan, premium and custom colors available*

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<td>Tensile Strength</td>
<td>500 psi</td>
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<tr>
<td>Shelf Life</td>
<td>12 months (40°F-90°F)</td>
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</tbody>
</table>

*See application guidelines for coverage rate details

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**HIGH-SOLIDS SILICONE 412**

**PRODUCT DESCRIPTION**
High-Solids Silicone 412 is a high-solids, single-component, moisture-cure, 100% silicone roof coating designed to provide a seamless, protective, weather-resistant membrane capable of withstanding ponding water and providing excellent UV protection.

**FEATURES & BENEFITS**
- Highly reflective—reflects 80-90% of UV radiation
- Capable of withstanding ponding water
- Excellent UV protection
- Highly flexible and durable
- Superior adhesive and cohesive strength
- High-solids content

**BASIC USES**
High-Solids Silicone 412 is ideal for use as a protective and reflective coating for a variety of different roof substrates including metal, spray polyurethane foam, smooth BUR, modified bitumen, EPDM, and single-ply membranes.

**SIZES/PACKAGING**
5-gallon (19 liter) pails, 50-gallon (208 liters) drums

**PRODUCT COLOR**
White, gray, tan, premium and custom colors available*

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**TECHNICAL DATA**

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<td>Tensile Strength</td>
<td>450 psi ± 50</td>
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<tr>
<td>Shelf Life</td>
<td>12 months (40°F-90°F)</td>
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*See application guidelines for coverage rate details
**ALIPHATIC URETHANE 510**

**PRODUCT DESCRIPTION**
Aliphatic Urethane 510 is a technologically-advanced, high-solids, single-component, moisture-cure, bright-white, polyurethane elastomeric roof coating designed to provide a durable, seamless, flexible, and waterproof membrane that resists lateral movement, shear, and will allow for thermal shock (normal expansion and contraction).

**FEATURES & BENEFITS**
- Highly reflective—reflects 80-90% of UV radiation
- Excellent UV protection
- Extremely durable and flexible
- Superior adhesive and cohesive strength
- Excellent adhesion to various roof substrates
- Resistant to dirt pick-up

**BASIC USES**
Aliphatic Urethane 510 was specifically developed as a bright-white protective top coat for a variety of different roof substrates including spray polyurethane foam, metal, modified bitumen, smooth BUR, and single-ply membranes.

**SIZES/PACKAGING**
5-gallon (19 liter) pails, 55-gallon (208 liters) drums

**PRODUCT COLOR**
White, gray

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**TECHNICAL DATA**

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<td>Elongation:</td>
<td>350% ± 50</td>
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<td>Tensile Strength:</td>
<td>1100 psi ± 25</td>
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<td>Shelf Life:</td>
<td>90 days (40˚F-90˚F)</td>
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*See application guidelines for coverage rate details

**AROMATIC URETHANE 520**

**PRODUCT DESCRIPTION**
Aromatic Urethane 520 is a high-solids, single-component, moisture-cure polyurethane elastomeric coating designed to provide a durable, seamless, flexible, and waterproof membrane that resists lateral movement, shear and will allow for thermal shock (normal expansion and contraction).

**FEATURES & BENEFITS**
- Highly reflective
- Extremely durable and flexible
- Superior adhesive and cohesive strength
- Excellent adhesion to various roof substrates
- Resistant to dirt pick-up

**BASIC USES**
Aromatic Urethane 520 was specifically developed as a durable, protective foundation coating for a variety of different roof substrates including spray polyurethane foam, metal, modified bitumen, smooth BUR, single-ply, and concrete.

**SIZES/PACKAGING**
5-gallon (19 liter) pails, 55-gallon (208 liters) drums

**PRODUCT COLOR**
Gray

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**TECHNICAL DATA**

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<td>Elongation:</td>
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<td>Tensile Strength:</td>
<td>975 psi ± 25</td>
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<td>Shelf Life:</td>
<td>6 months (40˚F-90˚F)</td>
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*See application guidelines for coverage rate details
ACRYLIC BRUSH-GRADE 220

PRODUCT DESCRIPTION
Acrylic Brush-Grade 220 is a water-based, high-solids acrylic elastomeric sealant manufactured from a unique acrylic resin specifically designed to provide increased tensile strength and elongation.

FEATURES & BENEFITS
- Forms a durable, flexible, weather-resistant seal
- Plasticizer-free caulk—will not dry out or become brittle
- Superior tensile strength and elongation
- Excellent adhesive and cohesive strength
- Easy to use, easy to clean

BASIC USES
Acrylic Brush-Grade 220 is ideally suited for sealing mechanical fasteners and vertical seams on metal roofs, as well as around flashings, drains, and penetrations on most roof surfaces including modified bitumen, metal, smooth BUR, concrete, wood, spray polyurethane foam, and single-ply.

SIZES/PACKAGING
2-gallon (7.5 liter) pail, 5-gallon (19 liter) pail

PRODUCT COLOR
White

### TECHNICAL DATA

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<tr>
<td>Shelf Life</td>
<td>24 months (40°F-90°F)</td>
</tr>
</tbody>
</table>

*See application guidelines for coverage rate details

Application Equipment: CHIP BRUSH BULK GUN
**ACRYLIC BUTTER-GRADE 221**

**PRODUCT DESCRIPTION**
Acrylic Butter-Grade 221 is a water-based, high-solids acrylic elastomeric sealant manufactured from a unique acrylic resin specifically designed to provide increased tensile strength and elongation.

**FEATURES & BENEFITS**
- Light-bodied acrylic mastic
- Forms a durable, flexible, weather-resistant seal
- Plasticizer-free caulk—will not dry out or become brittle
- Superior tensile strength and elongation
- Excellent adhesive and cohesive strength
- Easy to use, easy to clean

**BASIC USES**
Acrylic Brush-Grade 221 is ideally suited for sealing mechanical fasteners and vertical seams on metal roofs, as well as around flashings, drains, and penetrations on most roof surfaces including modified bitumen, metal, smooth BUR, concrete, wood, spray polyurethane foam, and single-ply.

**SIZES/PACKAGING**
- 2-gallon (7.6 liter) pail, 5-gallon (19 liter) pail

**PRODUCT COLOR**
White, gray

**TECHNICAL DATA**
- Solids by Volume: 66% ± 2
- Elongation: 200%
- Tensile Strength: 325 psi
- Shelf Life: 24 months (40°F-90°F)

*See application guidelines for coverage rate details

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**ACRYLIC FLASHING-GRADE 222**

**PRODUCT DESCRIPTION**
Acrylic Flashing-Grade 222 is a 100% acrylic, high-solids, elastomeric sealant utilizing the latest advances in acrylic technology. Acrylic Flashing-Grade 222 is manufactured from a unique acrylic resin specifically designed to provide increased tensile strength and elongation on problem roof areas.

**FEATURES & BENEFITS**
- Heavy-bodied acrylic mastic
- Increased tensile strength and elongation
- Forms a durable, flexible, weather-resistant seal
- Plasticizer-free caulk—will not dry out or become brittle
- Superior adhesive and cohesive strength
- Easy to use, easy to clean

**BASIC USES**
Acrylic Flashing-Grade 222 is ideally suited for sealing mechanical fasteners and vertical seams on metal roofs, as well as around flashings, drains, and penetrations on most roof surfaces including modified bitumen, metal, smooth BUR, concrete, wood, spray polyurethane foam, and single-ply.

**SIZES/PACKAGING**
- 2-gallon (7.5 liter) pail, 5-gallon (19 liter) pail

**PRODUCT COLOR**
White
BUTYL BRUSH-GRADE 320

PRODUCT DESCRIPTION
Butyl Brush-Grade 320 is a single-component, vapor retardant, butyl seam sealer formulated to provide superior permeability and UV protection. It offers excellent elongation and tensile strength to resist lateral movement and allow for thermal shock (normal expansion and contraction) of the roof structure.

FEATURES & BENEFITS
• Excellent vapor retardant mastic
• Extremely high tensile strength and elongation
• Superior permeability and UV protection
• Highly flexible, durable, and fast drying

BASIC USES
Butyl Brush-Grade 320 is recommended as a protective, vapor-retardant, seam-sealer for a variety of situations, including all types of seams, fasteners, gaps between metal panels, gutters, vent pipe flashings, air conditioning units and expansion joints. It is ideal for use on a variety of roof substrates including spray polyurethane foam, metal, modified bitumen, single-ply, and smooth BUR.

SIZES/PACKAGING
2.5-gallon (9.5 liter) pail, 5-gallon (19 liter) pail

PRODUCT COLOR
White

TECHNICAL DATA
| Solids by Volume: | 40% ± 2 |
| Elongation: | 500% ± 50 |
| Tensile Strength: | 500 psi ± 50 |
| Shelf Life: | 12 months (40˚F-90˚F) |

*See application guidelines for coverage rate details

BUTYL BRUSH-GRADE 320

TECHNICAL DATA
| Solids by Volume: | 45% ± 2 |
| Elongation: | 500% ± 50 |
| Tensile Strength: | 500 psi ± 50 |
| Shelf Life: | 12 months (40˚F-90˚F) |

*See application guidelines for coverage rate details

BUTYL FLASHING-GRADE 321

PRODUCT DESCRIPTION
Butyl Flashing-Grade 321 is a single-component, vapor retardant, butyl seam sealer formulated to provide superior permeability and UV protection. It offers excellent elongation and tensile strength to resist lateral movement and allow for thermal shock (normal expansion and contraction) of the roof structure.

FEATURES & BENEFITS
• Excellent vapor retardant mastic
• Ideal for sealing large cracks, holes, and joints
• Extremely high tensile strength and elongation
• Superior permeability and UV protection
• Highly flexible, durable, and fast drying

BASIC USES
Butyl Brush-Grade 320 is recommended as a protective vapor retardant seam sealer for a variety of situations, including all types of seams, fasteners, gaps between metal panels, gutters, vent pipe flashings, air conditioning units and expansion joints. It is ideal for use on a variety of different roof substrates including spray polyurethane foam, metal, modified bitumen, single-ply, and smooth BUR.

SIZES/PACKAGING
2.5-gallon (9.5 liter) pail, 5-gallon (19 liter) pail

PRODUCT COLOR
White
**SILICONE BRUSH-GRADE 422**

**PRODUCT DESCRIPTION**
Silicone Brush-Grade 422 is a ready-to-use, high-solids, single-component, moisture-cure, 100% silicone mastic designed to waterproof and protect penetrations, curbs, seams, and flashings areas.

**FEATURES & BENEFITS**
- Outstanding UV stability
- Capable of withstanding ponding water
- Highly flexible and durable
- Superior adhesion to silicone coated surfaces
- 95% solids—uses less material for same dry film thickness
- Low VOC (volatile organic compounds)

**BASIC USES**
Silicone Brush-Grade 422 is recommended for waterproofing penetrations, curbs, seams, and flashings areas on a variety of roof substrates including modified bitumen, metal, single-ply, smooth BUR, spray polyurethane foam, previously coated silicone areas.

**SIZES/PACKAGING:**
2-gallon (7.5 liter) pail, 5-gallon (19 liter) pail

**PRODUCT COLOR**
White

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**URETHANE BRUSH-GRADE 522**

**PRODUCT DESCRIPTION**
Urethane Brush-Grade 522 is a high-solids, single-component, moisture-curing polyurethane elastomeric coating specifically formulated with higher viscosity to waterproof and protect large gaps and problem areas.

**FEATURES & BENEFITS**
- Extremely durable and flexible
- Superior adhesive and cohesive strength
- Able to withstand ponding water
- Excellent adhesion to various roof substrates
- Resistant to dirt pick-up
- Fast drying

**BASIC USES**
Urethane Brush-Grade 522 provides excellent adhesion and may be used for protection of conventional roof surfaces including modified bitumen, EPDM, single-ply membranes, concrete, masonry, metal, and spray polyurethane foam.

**SIZES/PACKAGING:**
2.5-gallon (9.5 liter) pail, 5-gallon (19 liter) pail

**PRODUCT COLOR**
Gray

---

**TECHNICAL DATA**

**SILICONE BRUSH-GRADE 422**

<table>
<thead>
<tr>
<th>Solids by Volume:</th>
<th>96% ± 3</th>
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<tbody>
<tr>
<td>Elongation:</td>
<td>275%</td>
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<td>Tensile Strength:</td>
<td>130 psi</td>
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<tr>
<td>Shelf Life:</td>
<td>12 months (40°F-90°F)</td>
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</tbody>
</table>

*See application guidelines for coverage rate details

**URETHANE BRUSH-GRADE 522**

<table>
<thead>
<tr>
<th>Solids by Volume:</th>
<th>69% ± 2</th>
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<tr>
<td>Elongation:</td>
<td>350% ± 50</td>
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<tr>
<td>Tensile Strength:</td>
<td>975 psi ± 25</td>
</tr>
<tr>
<td>Shelf Life:</td>
<td>6 months (40°F-90°F)</td>
</tr>
</tbody>
</table>

*See application guidelines for coverage rate details
TERMINATOR 622 & 624XT

PRODUCT DESCRIPTION
Terminator 622 and 624XT are technologically advanced, 100% solids, moisture cured sealants and adhesives. This high-strength, versatile product has excellent elasticity and adhesion, making it ideal for repairs. Designed for industrial use, it can be applied to most surfaces even when wet. It is also UV resistant and VOC compliant.

FEATURES & BENEFITS
• Specifically designed for seams, fasteners, ridge caps, flashings, and penetrations
• Compatible with acrylic, urethane, and silicone systems
• Performance at temperatures as low as -40°F
• Bonds to damp surfaces and is rain-tolerant during cure
• Cures to be a waterproof, tough, and flexible sealant
• Low odor and minimal shrinkage
• Non-staining and mildew resistant

BASIC USES
Terminator 622 is a brush-grade, self-leveling sealant used to reinforce seams, end laps, penetrations, and other details. Terminator 624XT has a higher viscosity than Terminator 622, making it ideal for vertical surfaces and bridging large gaps.

SIZES/PACKAGING
Terminator 622: 10 oz. & 28 oz. tube, 2-gallon (7.5 liter) pail
Terminator 624XT: 10 oz. tube

PRODUCT COLOR
White, gray

TECHNICAL DATA
Solids by Volume: 100%
Elongation: 500%
Tensile Strength: 200 psi
Shelf Life: 12 months (40°F-90°F)

*See application guidelines for coverage rate details
## Mastic Coverage Rates

<table>
<thead>
<tr>
<th>Application</th>
<th>Coverage Rate</th>
<th>Width</th>
<th>Wet Mil</th>
<th>Avg. Dft</th>
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<td><strong>Acrylic Brush-Grade 220</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical seams:</td>
<td>175 linear ft./gallon</td>
<td>2&quot;</td>
<td>55</td>
<td>30</td>
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<td>Horizontal seams, transitions, end-laps:</td>
<td>— — —</td>
<td>— — —</td>
<td>— — —</td>
<td>— — —</td>
</tr>
<tr>
<td>Flashing details:</td>
<td>— — —</td>
<td>— — —</td>
<td>— — —</td>
<td>— — —</td>
</tr>
<tr>
<td><strong>Acrylic Butter-Grade 221</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical seams:</td>
<td>150 linear ft./gallon</td>
<td>2&quot;</td>
<td>48</td>
<td>30</td>
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<tr>
<td>Horizontal seams, transitions, end-laps:</td>
<td>75 linear ft./gallon</td>
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<td>48</td>
<td>30</td>
</tr>
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<td>6&quot;</td>
<td>91</td>
<td>60</td>
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<tr>
<td><strong>Acrylic Flashing-Grade 222</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical seams:</td>
<td>200 linear ft./gallon</td>
<td>2&quot;</td>
<td>48</td>
<td>30</td>
</tr>
<tr>
<td>Horizontal seams, transitions, end-laps:</td>
<td>100 linear ft./gallon</td>
<td>4&quot;</td>
<td>48</td>
<td>30</td>
</tr>
<tr>
<td>Flashing details:</td>
<td>35 linear ft./gallon</td>
<td>6&quot;</td>
<td>95</td>
<td>60</td>
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<tr>
<td><strong>Butyl Brush-Grade 320</strong></td>
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<td>Vertical seams:</td>
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<td>30</td>
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<td>Horizontal seams, transitions, end-laps:</td>
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<td>4&quot;</td>
<td>76</td>
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<td>Flashing details:</td>
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<td><strong>Butyl Flashing-Grade 321</strong></td>
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<tr>
<td>Vertical seams:</td>
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<td>2&quot;</td>
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<td>Horizontal seams, transitions, end-laps:</td>
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<td>68</td>
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<td>Flashing details:</td>
<td>25 linear ft./gallon</td>
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<tr>
<td><strong>Silicone Brush-Grade 422</strong></td>
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</tr>
<tr>
<td>Vertical seams:</td>
<td>300 linear ft./gallon</td>
<td>2&quot;</td>
<td>32</td>
<td>30</td>
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<tr>
<td>Horizontal seams, transitions, end-laps:</td>
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<td>4&quot;</td>
<td>32</td>
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<td>Flashing details:</td>
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<td><strong>Urethane Brush-Grade 522</strong></td>
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<td>Horizontal seams, transitions, end-laps:</td>
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<td>4&quot;</td>
<td>45</td>
<td>30</td>
</tr>
<tr>
<td>Flashing details:</td>
<td>35 linear ft./gallon</td>
<td>6&quot;</td>
<td>90</td>
<td>60</td>
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<tr>
<td><strong>Terminator 622 &amp; 624XT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical seams:</td>
<td>300 linear ft./gallon</td>
<td>2&quot;</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Horizontal seams, transitions, end-laps:</td>
<td>150 linear ft./gallon</td>
<td>4&quot;</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Flashing details:</td>
<td>50 linear ft./gallon</td>
<td>6&quot;</td>
<td>60</td>
<td>60</td>
</tr>
</tbody>
</table>

*The coverage rates listed on this page are estimates based on typical conditions.*
Acrylic Bonding Primer 905 is a durable, water-based primer suitable for priming most roofing substrates to promote optimal adhesion.

**FEATURES & BENEFITS**
- Excellent adhesion to most roof surfaces
- Bonds to unstable substrates
- Provides a tough, adhesive, durable film
- Quick drying time
- Environmentally safe
- Easy to use, easy clean

**BASIC USES**
Acrylic Bonding Primer 905 is an excellent choice for use with most American WeatherStar roof restoration systems. It is suitable for previously coated metal, modified bitumen, smooth BUR, and spray polyurethane foam.

**SIZES/PACKAGING**
5-gallon (19 liter) pail, 55-gallon (208 liters) drum

**PRODUCT COLOR**
Black, gray

*See application guidelines for coverage rate details*
**PRODUCT DESCRIPTION**
Red Oxide Rust Prime 912 is a high-quality, corrosion-resistant, acrylic primer specifically developed to adhere to moderate-to-heavy rusted metal roof surfaces through its ability to inhibit the oxidizing of the substrate.

**FEATURES & BENEFITS**
- Designed to inhibit rust on metal surfaces
- Excellent adhesion to rusty metal surfaces
- Provides a tough, adhesive, durable film
- Environmentally safe
- Easy to use, easy clean
- VOC complaint

**BASIC USES**
Red Oxide Rust Prime 912 is designed to inhibit rust on metal roof surfaces and for use as an adhesion bonding primer before roof coatings are applied.

**SIZES/PACKAGING**
5-gallon (19 liter) pail, 55-gallon (208 liters) drum

**PRODUCT COLOR**
Red

---

**ECOCLEANER 925**

**PRODUCT DESCRIPTION**
EcoCleaner 925 is a unique, high-performance, and environmentally friendly cleaner. Its biodegradable formulation meets all US VOC regulations, including the most stringent Southern California regulations. It is a low foaming formulation that features significant renewable content with exceptional cleaning ability.

**FEATURES & BENEFITS**
- High-performance, environmentally-friendly cleaner
- Biodegradable, low-foaming formulation
- Meets all US VOC regulations
- Exceptional cleaning ability
- Significant renewable content

**BASIC USES**
Diluted 5:1 for effective cleaning of most surfaces including roofs, decks, concrete, and steel. EcoCleaner 925 may be used at lower dilutions for tougher stains and soilings. Old paints and adhesives may be removed with no, or minimal dilutions.

**SIZES/PACKAGING**
5-gallon (19 liter) pail

**PRODUCT COLOR**
Clear
**FABRIC BOND 930**

**PRODUCT DESCRIPTION**
Fabric Bond 930 is specifically designed as a bonding agent to fully secure polyester fabric to a variety of different types of roof surfaces.

**FEATURES & BENEFITS**
- Seals asphaltic surfaces with little or no bleed through
- Excellent adhesion to various surfaces
- VOC compliant
- Environmentally safe
- Easy to use, easy clean up

**BASIC USES**
Fabric Bond 930 is primarily used to fully secure polyester fabric to a variety of different roof surfaces including asphalt, concrete, wood, tile, metal, and virtually any clean, dry, non-silicone surface.

**SIZES/PACKAGING**
5-gallon (19 liter) pail

**PRODUCT COLOR**
Blue

---

**SBS PRIMER 950**

**PRODUCT DESCRIPTION**
SBS (Styrene Butadiene Styrene) Primer 950 is a fast-drying and rust-inhibiting primer. It is also used as a tie coat for dusty or porous surfaces to improve top coat adhesion. It is formulated to provide exceptional adhesion on a variety of substrates.

**FEATURES & BENEFITS**
- Great for preventing rust on metal surfaces
- Promotes increased adhesion for top coats
- Excellent primer before spraying polyurethane foam
- Highly flexible
- Superior adhesive and cohesive strength

**BASIC USES**
SBS Primer 950 is specially formulated as a primer coat for rusted, worn, weathered surfaces, or porous materials. It provides excellent adhesion to a variety of substrates including rusted metal, BUR, asphalt, wood, concrete, masonry, and spray polyurethane foam. Due to the black pigment of this product, this product is also used to warm roof surfaces before applying spray polyurethane foam or roof coating.

**SIZES/PACKAGING**
5-gallon (19 liter) pail

**PRODUCT COLOR**
Black
**PRODUCT DESCRIPTION**

Acrylic Skylight Sealer 230 is a translucent, elastomeric coating used to treat fiberglass skylight panels. This product provides a durable and weather-resistant finish that helps the panel maintain its translucent properties.

**FEATURES & BENEFITS**

- Extremely tough, durable, UV resistant sealant
- Excellent water resistance
- Superior bridging qualities over small cracks and openings
- Outstanding resistance to dirt collection and pollutants
- Environmentally safe

**BASIC USES**

Acrylic Skylight Sealer 230 is used with the American WeatherStar metal roof coating systems to help seal and recondition fiberglass skylight panels. Note: if the skylights panels are cracked, Acrylic Skylight Sealer 230 is not a sufficient solution and the skylight panel should be replaced.

**SIZES/PACKAGING**

5-gallon (19 liter) pail

**PRODUCT COLOR**

Clear
SILICONE WALK PATH 415

PRODUCT DESCRIPTION
Silicone Walk Path 415 is a single-component, moisture-cure, silicone coating system designed to enhance the impact resistance of the roof surface and also provide a non-skid walking surface when used with Walk Path Granules 1100.

FEATURES & BENEFITS
- Provides highly visible route for pedestrian maintenance traffic
- Forms a durable non-slip surface when used with Walk Path Granules 1100
- Provides an extra layer of protection for high-traffic areas

BASIC USES
Silicone Walk Path 415 is used with Walk Path Granules 1100 to build a protective walkway on roof surfaces including: Modified Bitumen, Spray Polyurethane Foam, Concrete, EPDM, and other single-ply roofs.

SIZES/PACKAGING
5-gallon (19 liter) pail

COLOR
Safety Yellow

TECHNICAL DATA
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids by Volume</td>
<td>95% ± 2</td>
</tr>
<tr>
<td>Elongation</td>
<td>174%</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>350 psi</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>12 months (40°F-90°F)</td>
</tr>
</tbody>
</table>

*See application guidelines for coverage rate details*

WALK PATH GRANULES 1100

PRODUCT DESCRIPTION
Walk Path Granules 1100 are designed to enhance impact resistance of roof surfaces and provide a non-skid walking surface when embedded in Silicone Walk Path 415.

BASIC USES
Silicone Walk Path 415 is used with Walk Path Granules 1100 to build a protective walkway on roof surfaces including: Modified Bitumen, Spray Polyurethane Foam, Concrete, EPDM, and other single-ply roofs.

SIZES/PACKAGING
2-gallon (7.5 liter) pail

PRODUCT COLOR
Safety Yellow
POLYESTER FABRIC

PRODUCT DESCRIPTION
American WeatherStar Polyester Fabric is a spun-laced textile material composed of staple fibers hydraulically entangled to form a strong reinforcing membrane for cold roofing mastics. Composed of 100% polyester, this product has excellent conformability and elongation. The open aperture design allows coatings to flow through and form a saturated layer rather than a laminated roofing membrane.

FEATURES & BENEFITS
- Lightweight non-raveling fabric with excellent tear strength
- Excellent elongation and tensile strength
- Maintains physical properties when wet
- Resistant to chemicals and solvents

BASIC USES
Polyester Fabric is used with a variety of cold process roof coatings, including cutback asphalt, asphalt emulsion, elastomeric asphalt and acrylic coatings. Embed the fabric with a coating and cover as per coating manufacturer’s directions.

SIZES/PACKAGING
2 in. x 100 ft., 4 in. x 360 ft., 6 in. x 360 ft., 12 in. x 360 ft., 20 in. x 360 ft., 36 in. x 360 ft.

BUTYL SEAM TAPE

PRODUCT DESCRIPTION
Butyl Seam Tape is a pressure sensitive seam sealing tape with Dupont Sontara® Fabric backing bonded onto 20 mils of butyl rubber adhesive. AWS Seam Tape stays flexible, even at low temperatures, to allow for the expansion and contraction of the substrate. AWS Seam Tape has an aggressive grip with superior adhesion to produce an immediate, water tight seal. Containing no harmful VOCs, the product is environmentally safe.

FEATURES & BENEFITS
- Lightweight
- High tensile strength
- Maintains physical properties when wet
- Extremely flexible—allows for expansion and contraction at seams and penetrations

BASIC USES
Seam Tape is recommended for sealing seams and penetrations on metal, EPDM, TPO, and PVC commercial roofs. Seam tape can take the place of the non-woven Polyester Fabric and offer greater strength. Be sure to top coat seam tape with proper American WeatherStar roof coating.

SIZES/PACKAGING
3”x50’, 4”x50’, 6”x50’
**MICRO-FIBERS 1000**

**PRODUCT DESCRIPTION**
Micro-Fibers 1000 is a micro-fine, high-tensile polyethylene fiber used as a general thickener for acrylic, butyl, silicone, and urethane coatings products.

**FEATURES & BENEFITS**
- Economical
- Mixes easily to increase viscosity
- Retains elastic properties
- Adds tensile strength
- Will not decompose

**BASIC USES**
Micro-Fibers 1000 can be used to thicken acrylic, butyl, silicone, and urethane coatings into brushable mastics. Excellent for flashing details, metal roof seams, round stacks, pipe legs, pitch pots, conduit pipes, expansion joints, etc.

**SIZES/PACKAGING**
- 5-gallon (19 liter) pail

**PRODUCT COLOR**
White

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**XYLENE & MINERAL SPIRITS**

**PRODUCT DESCRIPTION**
Xylene and mineral spirits are essential to roofing contractors installing solvent-based fluid-applied systems. The key difference in what we provide versus what you may find elsewhere is these solvents are not recycled. It is critical that roofing contractors use a pure solvent when cleaning to avoid expensive repairs to equipment.

**BASIC USES**
- Xylene is used with urethane and butyl coatings.
- Mineral Spirits are used with silicone coatings.

**SIZES/PACKAGING**
- 5-gallon (19 liter) pail
TAKE YOUR COMMERCIAL ROOFING BUSINESS TO THE NEXT LEVEL

Are you looking to expand your commercial roofing business and land the breakthrough roofing jobs you really want? Not sure how to do it? Diversifying your business is the answer and FAST Academy (Fluid-Applied System Techniques) is a great place to start!

FAST Academy is a 2-day training course designed to provide commercial roofing contractors, salespeople, estimators, architects, specifiers, and consultants with a comprehensive hands-on overview of the fluid-applied roof restoration industry. The course covers everything from basic industry terminology to detailed application techniques with the latest coatings technology and equipment.

FAST ACADEMY FEATURES:

• Introductions to American WeatherStar roof restoration systems and products
• Informative multimedia presentations with industry professionals
• Hands-on demonstrations with roof coatings and application equipment
• Q&A sessions with experienced American WeatherStar Approved Contractors
• Powerful insights into proven sales practices and lead generation techniques
• Networking opportunities with roofing professionals from across the country

WANT TO LEARN MORE ABOUT FAST ACADEMY?

Visit www.americanweatherstar.com/fast-training-courses/fast-academy/
Email FAST Director Mandy Arceneaux at marceneaux@weatherstar.net
Call us toll free at 800-771-6643