



MAINTENANCE AND REPAIR CATALOG

THE RIGHT SOLUTION AT THE RIGHT TIME

A Complete Guide to American WeatherStar Roof Repair Products





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Note:
 Please see our [Maintenance and Repair Price List](#) for product cost and shipping information.

ABOUT AMERICAN WEATHERSTAR

Founded in 2004, American WeatherStar is an established leader in the fluid applied roofing industry. We are a full line supplier of high quality, energy efficient, fluid-applied roofing systems for commercial and industrial buildings. These systems can be used to stop leaks, cool a building's interior, or simply for preventive maintenance on metal and flat roofs.

Restoration and maintenance systems have grown dramatically within the roofing industry over the last several years. At American WeatherStar we have seen our Met-A-Gard, for metal restoration, and Ure-A-Sil, for flat roof restoration, grow exponentially. At the same time, roofing contractor's service departments have seen similar growth. The growth of our industry has been driven by roofing contractors and building owners searching for a restoration system rather than an expensive roof replacement.

This guide to American WeatherStar's roof repair products and materials will help our Approved Contractors choose the right solution at the right time. For more information about American WeatherStar's full restoration systems, please give us a call or ask your Field Sales Representative.

TABLE OF CONTENTS

ALL WEATHER REPAIR 01

AWS Terminator 622

AWS Terminator 624XT

REPAIR MASTICS 02

AWS Urethane Brush-Grade 522

AWS Silicone Brush-Grade 422

AWS Butyl Brush-Grade 320

AWS Acrylic Butter-Grade 221

FIBERS & SEALERS 06

AWS Micro-Fibers 1000

AWS Skylight Sealer 230

ACCESSORIES 08

AWS Non-Woven Fabric

AWS Seam Tape

AWS Xylene

AWS Mineral Spirits

APPLICATION TOOLS 09

Sealant Gun

Chip Brush



ALL WEATHER REPAIR

AWS TERMINATOR 622 AND 624XT

AWS 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.

ADVANTAGES

- Self-leveling technology for all seams, fasteners, ridge caps, flashings, and penetrations
- Moisture curing multi-purpose one-component sealant/adhesive
- Compatible with acrylic, urethane, and silicone coating 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 AVAILABLE

Terminator 622: 10oz (case of 30), 28oz (case of 12), 2 gallon
 Terminator 624XT: 10oz (case of 30)



Product Color:

Application Tools: Stiff Brush, Sealant Gun

Coverage Rates	Coverage (1 gallon)	Width	Wet Mills	Average Dry Mills
Seams	150 linear ft.	4"	30	30
Flashing Details	50 linear ft.	6"	60	60

**Coverage rates listed are estimates based on typical conditions.*



DRAIN

AWS URETHANE BRUSH-GRADE 522

URETHANE BRUSH-GRADE 522 is a high solids, single component, moisture cure polyurethane elastomeric coating formulated to a thick consistency in order to bridge gaps for water-proofing situations on commercial flat roof surfaces.

ADVANTAGES

- Superior Protection - forms a durable, weather resistant “rubber-like” seal
- Superior adhesion
- Superior elongation and tensile strength

BASIC USES

Urethane Brush-Grade 522 was developed from the Aromatic Urethane 520 as a mastic to create a waterproofing system with the Urethane 520 and other AWS coatings. With excellent adhesion, it can be used for protection of conventional surfaces such as, but not limited to, EPDM single-ply membranes, concrete, masonry, metal, and polyurethane foam.

SIZES AVAILABLE

2 gallon, 5 gallon



Product Color:

Application Tools: Stiff Brush

Coverage Rates	Coverage (1 gallon)	Width	Wet Mil	Average Dry Mil
Seams	100 linear ft.	4"	45	30
Flashing Details	35 linear ft.	6"	90	60

**Coverage rates listed are estimates based on typical conditions.*



VENT



VERTICAL SEAM

AWS SILICONE BRUSH-GRADE 422

SILICONE BRUSH-GRADE 422 is a ready to use, high solids, single component, moisture cured silicone mastic designed for waterproofing penetrations, curbs, seams, and flashings areas.

ADVANTAGES

- Superior Protection - forms a durable, weather resistant “rubber-like” seal
- Excellent UV protection
- Superior adhesion to Silicone coated surfaces
- 95% Solids. Uses less material for same dry film thickness
- Low VOC's

BASIC USES

Silicone Brush-Grade 422 provides elemental protection for architectural surfaces such as vertical walls, masonry, concrete, metal, single-ply roof membranes sprayed-in-place polyurethane foam systems and previously coated silicone areas.

SIZES AVAILABLE

2 gallon, 5 gallon



Product Color:

Application Tools: Stiff Brush

Coverage Rates	Coverage (1 gallon)	Width	Wet Mils	Average Dry Mils
Seams	150 linear ft.	4"	32	30
Flashing Details	50 linear ft.	6"	64	60

**Coverage rates listed are estimates based on typical conditions.*



HORIZONTAL SEAM

AWS BUTYL BRUSH-GRADE 320

BUTYL BRUSH-GRADE 320 is a single component, brush-able grade seam sealer specially formulated to provide a waterproof, weather-resistant membrane with excellent permeability and ultra-violet protection. It also offers excellent elongation and tensile strength to resist lateral movement and allow for expansion and contraction of the substrate.

ADVANTAGES

- Superior Protection - forms a durable, weather resistant "rubber-like" seal
- Ideal for sealing holes, cracks, and joints
- Highly flexible
- Superior elongation and tensile strength

BASIC USES

Butyl Brush-Grade 320 is recommended as a protective vapor barrier 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. Ideal for metal roof applications with visible rust and all types of flat roofing substrates.

SIZES AVAILABLE

2 gallon, 5 gallon



Product Color:

Application Tools: Stiff Brush

Coverage Rates	Coverage (1 gallon)	Width	Wet Mils	Average Dry Mils
Seams	50 linear ft.	4"	76	30
Flashing Details	25 linear ft.	6"	126	50

**Coverage rates listed are estimates based on typical conditions.*



FASTENERS

AWS ACRYLIC BUTTER-GRADE 221

ACRYLIC BUTTER-GRADE 221 is a water-based elastomeric sealant utilizing the latest advances in advanced acrylic technology. Butter-Grade 221 is manufactured from a unique acrylic resin specifically designed to provide increased tensile strength and elongation on problem roof areas.

ADVANTAGES

- Superior Protection - forms a durable, weather resistant “rubber-like” seal
- Ideal for sealing holes, cracks, and joints
- Contains a strong mildewcide/fungicide
- Easy to use, easy clean up, non-toxic, and VOC compliant water based caulk

BASIC USES

Butter-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. It has excellent adhesion to asphaltic roofing, metal, concrete, wood, and polyurethane.

SIZES AVAILABLE

2 gallon, 5 gallon



Product Color:

Application Tools: Stiff Brush, Grout Bag, Bulk Gun

Coverage Rates	Coverage (1 gallon)	Width	Wet Mills	Average Dry Mills
Seams	75 linear ft.	4"	48	30
Flashing Details	33 linear ft.	6"	76	50

**Coverage rates listed are estimates based on typical conditions.*



AWS MICRO-FIBERS 1000

MICRO-FIBERS 1000 is a micro-fine manufactured high-tensile polyethylene fiber used as a general thickener for American WeatherStar Acrylics, Urethane, and Silicone.

ADVANTAGES

- Allows you to greatly increase viscosity and filling ability of the coating at an economical price. The product allows a higher viscosity and excellent vertical hold for a variety of applications.
- The unique nature allows excellent melding to acrylic, urethane, and silicone without allowing slipping. Adding Micro Fibers 1000 also creates a smooth, easy-to-apply material.
- Retains elastic properties; adds tensile strength
- Easily mixes in with hand tools

BASIC USES

Micro-Fibers 1000 can be used to thicken Acrylics, Urethane, and Silicone into brush-able mastics. Thicker materials allow for fabrication of cants or filling around irregular surfaces.

MIX RATIOS

Mix in 20-40% Micro Fibers 1000 depending on required thickness.

SIZES AVAILABLE

5 gallon



Mixing Tools: Power Drill, Wood Stir Stick



AWS ACRYLIC SKYLIGHT SEALER 230

ACRYLIC SKYLIGHT SEALER 230 is a translucent skylight sealer.

ADVANTAGES

- Extremely tough, durable, UV resistant protective sealant
- Excellent water resistance
- Good bridging qualities over hairline cracks and small openings
- Excellent adhesion and binding qualities
- Outstanding resistance to dirt collection and pollutants
- Keeps surface clean thereby reducing maintenance costs
- Environmentally safe

BASIC USES

Acrylic Skylight Sealer 230 is used with the AWS metal roof coating system to help seal and recondition skylights. If skylights are cracked, Acrylic Skylight Sealer 230 is not sufficient. In this case the skylight should be replaced.

SIZES AVAILABLE

5 gallon



Product Color:



Application Tools:

Brush Roller

ACCESSORIES

AWS NON-WOVEN FABRIC

NON-WOVEN 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, Non-Woven Fabric has excellent conformability and elongation. The open aperture design allows mastics to flow through and form saturated rather than a laminated roofing membrane.

ADVANTAGES

- Light weight with high tensile strength
- Maintains it's physical properties when wet
- Non-raveling, has excellent tear strength, and is resistant to chemicals and solvents

BASIC USES

Non-Woven Fabric has been successfully used with American WeatherStar's Acrylic, Butyl, Silicone, and Urethane coatings. Using a three course method, apply a layer of AWS coating in the area to be waterproofed, then embed the Non-Woven Fabric into the wet coating. Apply an additional layer of AWS coating over the top of Non-Woven Fabric. Be sure to completely encapsulate the fabric with coating.

SIZES AVAILABLE

2"x100', 4"x360', 6"x360', 12"x360', 20"x360', 36"x360'



AWS SEAM TAPE

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 VOC's, the product is environmentally safe.

ADVANTAGES

- Light weight with high tensile strength
- Maintains it's physical properties when wet
- Extremely flexible allowing 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 Fabric and offer greater strength. Be sure to top coat seam tape with an AWS Coating.

SIZES AVAILABLE

3"x50' (Case of 16), 4"x50' (Case of 12), 6"x50' (Case of 8)



AWS SOLVENT CLEANERS

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 AWS Urethane and Butyl coatings. Mineral Spirits is used with AWS Silicone coatings.

SIZES AVAILABLE

5 gallon



APPLICATION TOOLS

SEALANT GUN

Heavy duty cradle cage ratchet rod sealant gun. Great for professional use where bead consistency, control, and clean up save time and money. Ratchet teeth engineered for maximum grip, strength, and long life.

BASIC USES

For use with AWS Terminator 622 and 624XT.

SIZES AVAILABLE

10 oz, 28 oz (See price list for quantity details)



CHIP BRUSH

All chip brushes are made with 100% pure bristle, plain wood handle, and epoxy settings. Economical enough to use as a throw away brush.

BASIC USES

This utility brush is great for applying repair mastics around flashing details, seams, penetrations, and fasteners. Used to apply AWS mastics including Terminator 622, Urethane Brush-Grade 522, Silicone Brush-Grade 422, Butyl Brush-Grade 320, and Acrylic Butter-Grade 221.

SIZES AVAILABLE

2", 4", double-thick 4" (See price list for quantity details)





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