TECHNICAL DATA

Seals everything that goes
Through the ROOF!

Seals Leaks that Asphalt Can’t!

DESCRIPTION: When there’s a nagging roof leak that others can’t fix, or when you don’t want to take your chances, use Through the ROOF! Its unique co-polymer rubber formula creates a permanent seal, even when applied in the middle of a rain storm. (It works great on dry surfaces, too.) Through the ROOF! will stick to almost any roofing surface – metal, plastic, asphalt, wood, concrete, and more. Plus, it won’t freeze. So go ahead and fix that gutter in a Minnesota winter.

WHERE TO USE: Around common roofing fixtures, including:
- Galvanized metal and aluminum flashing
- PVC and ABS vent pipe, skylights, gutters, downspouts, ductwork and vents
- Chimneys, brick, block and mortar
- Glue down shingles and front edges of flat roof tiles (cedar shake, asphalt, cement, slate and glazed tile)
- Metal RV roofs
- Roof jacks, cables and air conditioning units

PAINTABILITY: With latex paint/stain after 24 hrs. or oil-based paint/stain after 1 week.

ADHERES TO: Most building materials including:
- Metals - Aluminum • Brass • Steel • Copper • Silver
- Plastics - ABS • Vinyl • Lexan®* • Polycarbonate • PVC
- Masonry - Concrete • Stucco • Mortar • Brick • Stone • Terra Cotta
- Other Surfaces - Asphalt • Ceramic Tile • Glass • Polyurethane
- Polyisobutylene • Wood • Cloth/Canvas

COLORS: Clear, Black, and White

PACKAGING:
- Cartridge grade: 10.5 oz. cartridges
- Brush grade: 1 quart and 1 gallon containers
- Brush grade: 1 quart and 1 gallon VOC compliant containers

COVERAGE: A 10.5 oz. cartridge will cover approx. 30 lineal feet with a ¼” (6mm) bead. A quart can will cover approx. 3 sq. ft. at 1/8” thick.

*Lexan® is a registered trademark of its respective owner.

FEATURES

Sticks to wet surfaces
Excellent UV Resistance
Brush-on formula (only for use with Qt. or Gallon sizes)
Clear version is 19 times clearer than silicone
Gunnable down to 32°F
Stick to difficult surfaces
Super Elastic – 600% maximum stretch
Strong tear resistance
Exclusive stop flow feature
Freeze-thaw stable in package
Water repellent
Full 10.5oz in every cartridge
Does not support mold and mildew growth
Paintable

BENIFITS

Repairs active leaks
Lasts 20x longer than asphalt roof cement
Perfect for difficult to find leaks and large coverage
Clear version makes an invisible repair, doesn’t crack, craze, or yellow
Keep the job going even in cold weather
Use on all steep-slope roof materials and fixtures
Hangs tough with roof movement
Lasts long in the roof environment
Less waste, less mess
Long 3-year shelf life
Sheds water the instant you apply it
More product for your money
Keeps the roof looking clean
Unlike silicone, paint sticks with no flaking
WHERE NOT TO USE:
• Areas of submersion or frequent, prolonged puddling
• With polystyrene insulation
• Containment applications
• Plastics not listed should be tested for compatibility before use
• Will not adhere to or is incompatible with Aquaseal®, Kynar®, polypropylene, polyethylene, silicone, Styrofoam™ (it dissolves it), waxes
• Rubber roof membranes (Applying on rubber membranes, such as EPDM, may cause warping. Test in an inconspicuous area prior to use)

APPLICATION:
• Large beads applied in hot weather (above 95°F) may exhibit slight bubbling. For best results, apply out of direct sunlight.
• Surfaces must be clean and free of frost, loose materials, dust, etc.
• Prepare frosty or icy surfaces by cleaning with alcohol.
• Natural shrinkage may give some joints a concave appearance. Multiple applications may be needed to fill the joint flat.
• If dirt or oils are present on the substrate, wash with any household cleaner, rinse to remove and allow to thoroughly dry.
• Remove any old caulk, especially silicone or silicone residue. Use a silicone remover.
• Close ventilation intakes on roof until cured.
• Insert backer rod into joints deeper than 1/2” to provide for proper sealant depth.
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• Tool for a smoother bead using mineral spirits or soapy water.

BRUSH GRADE:
• Flammable during early cure (approx. 24-48 hrs.) Fully cured in 1-2 weeks. Paintable with latex paint/stain after one week.
• Will not adhere to or is incompatible with polystyrene insulation
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• Areas of submersion or frequent, prolonged puddling
• Containment applications
• Plastics not listed should be tested for compatibility before use
• Will not adhere to or is incompatible with Aquaseal®, Kynar®, polypropylene, polyethylene, silicone, Styrofoam™ (it dissolves it), waxes
• Rubber roof membranes (Applying on rubber membranes, such as EPDM, may cause warping. Test in an inconspicuous area prior to use)

STORAGE AND CLEAN UP:
• Clean hands with citrus-based hand cleaners until all product is removed.
• Wear safety glasses and chemical resistant gloves. Use only in a well-ventilated area. Contains petroleum distillates and toluene.
• Sprays, or flames. Do not smoke. Do not get in eyes. Do not get on skin. KEEP OUT OF REACH OF CHILDREN.

TYPICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint Size</td>
<td>Cartridge grade - up to 1” wide at 70 or lower*; Brush grade - N/A</td>
</tr>
<tr>
<td>Clarity (NTU):</td>
<td>Cartridge grade - &lt;13; Brush grade - &lt;15</td>
</tr>
<tr>
<td>Application Range</td>
<td>0°F to 120°F (-18°C to 49°C) surface temperature</td>
</tr>
<tr>
<td>Service Range</td>
<td>-25°F to 180°F (-32°C to 82°C)</td>
</tr>
<tr>
<td>Tensile Properties</td>
<td>Cartridge grade - Recovery at 50% stretch: 96% in 1 minute</td>
</tr>
<tr>
<td></td>
<td>Cartridge grade - Recovery at 100% stretch: 96% in 1 minute</td>
</tr>
<tr>
<td></td>
<td>Brush grade - Recovery at 50% stretch: 100% in 3 minutes</td>
</tr>
<tr>
<td></td>
<td>Brush grade - Recovery at 100% stretch: 96% in 5 minutes</td>
</tr>
<tr>
<td>VOC</td>
<td>Sashco has VOC compliant Through the Roof products for each region of</td>
</tr>
<tr>
<td></td>
<td>the country. Exception: 10.5 oz cartridges of Through the Roof colors</td>
</tr>
<tr>
<td></td>
<td>are not available in California Contact Customer Service with any</td>
</tr>
<tr>
<td></td>
<td>questions.</td>
</tr>
</tbody>
</table>

TEST DATA:

<table>
<thead>
<tr>
<th>Property</th>
<th>Results</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A</td>
<td>Cartridge grade - 35; Brush grade - 33 (21-day cure)</td>
<td>ASTM C661</td>
</tr>
<tr>
<td>Slump</td>
<td>Cartridge grade - &lt;1/8”; Brush grade - slumps</td>
<td>ASTM D2202</td>
</tr>
<tr>
<td>Solids</td>
<td>Cartridge grade: 57.8% by weight</td>
<td>ASTM C1250</td>
</tr>
<tr>
<td></td>
<td>Brush grade: 36.0% by weight</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Brush grade lower VOC: 45.4% by weight</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cartridge grade lower VOC: 53.1% by weight</td>
<td></td>
</tr>
<tr>
<td>Extrusion Rate</td>
<td>Cartridge grade - 80 g/min (1/8” orifice at 40 psi)</td>
<td>ASTM C603</td>
</tr>
<tr>
<td>Cured</td>
<td>1 week (dependent on temperature, humidity and bead size/thickness)</td>
<td>ASTM C679</td>
</tr>
<tr>
<td>Tack-free</td>
<td>30 minutes</td>
<td>ASTM C679</td>
</tr>
<tr>
<td>Low Temp. Flexibility</td>
<td>Pass</td>
<td>ASTM C734</td>
</tr>
<tr>
<td>Freeze-Thaw Stability</td>
<td>Won’t freeze</td>
<td>ASTM C731</td>
</tr>
<tr>
<td>Adhesion-in-peak Passing Substrates</td>
<td>See “ADHERES TO” section on front page</td>
<td>ASTM C794</td>
</tr>
</tbody>
</table>

SPECIFICATIONS:
• Meets FHA requirements.

The data reported here is believed to be reliable. No warranty is made concerning the accuracy or the results obtained from its use.
*Styrofoam is a trademark and Aquaseal®, Kynar® and McKanica® are registered trademarks of their respective owners.

WARNING: VAPOR HARMFUL. FLAMMABLE. Do not breath fumes. Do not swallow. Do not use near heat, sparks, or flames. Do not smoke. Do not get in eyes. Do not get on skin. KEEP OUT OF REACH OF CHILDREN.

FIRST AID: If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting, if in eyes, rinse with water for 15 minutes. If on skin, rinse well with water. If breathed in, move person into fresh air.

LIMITED LIFETIME WARRANTY: Sashco warrants this product will substantially meet published specifications on the date of sale. If it fails to do so, return unused portion with original sales receipt for replacement or refund, at Sashco’s sole option. These are purchaser’s sole and exclusive remedies for any breach of warranty. Purchaser must determine suitability of product for purchaser’s specific needs and assumes all risk associated with its use. Sashco will not be liable for direct or indirect damages.

For a detailed description of the warranty & exclusions, visit www.sashco.com