

DANGER: Flammable. Turn off pilot lights and other ignition sources. Do not use electrical devices such as switches, motors, etc. Avoid using metal tools or objects, as they could cause sparks.

Vapor harmful. Harmful or fatal if swallowed. Call physician immediately. Contains toluene and other petroleum distillates. Keep away from heat, open flame and chimney embers. When using, do not eat, drink or smoke. Use only in a well-ventilated area. May be harmful if inhaled. May affect the brain or nervous system causing dizziness, headache, or nausea. Avoid breathing vapors. Keep container tightly closed when not in use.

First Aid: If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with water for 15 minutes and get medical attention. In case of skin contact, wash thoroughly with citrus-based cleaner. Remove contaminated clothing and wash right away. Call doctor if skin irritation persists. If swallowed, get medical attention immediately. Do not induce vomiting.

KEEP OUT OF REACH OF CHILDREN! Refer to the MSDS for this product as needed. **Notice:** Reports have indicated that repeated and prolonged occupational overexposure to solvents can lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

WARNING: This product contains a material which is known by the State of California to cause birth defects or reproductive harm.

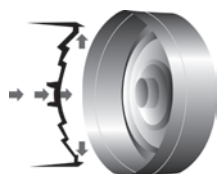
Limited Lifetime Warranty Sashco warrants this product will substantially meet published specifications on the date of sale. If it fails to do so, return unused portion with original sales receipt for replacement or refund, at Sashco's sole option. These are purchaser's sole and exclusive remedies for any breach of warranty. Purchaser must determine suitability of product for purchaser's specific needs and assumes all risk associated with its use.

For a detailed description of the warranty and exclusions, please visit our website at www.sashco.com.

Alyster Plunger

10.5 cartridges come with Sashco's unique Alyster plunger. A flexible telescopic diaphragm not only stops material flow, it actually pulls material back into the nozzle!

- Tight Seal – Increases shelf life and minimizes leakage.



- Stop Flow – The flexible telescopic diaphragm assures that material flow will stop when caulk gun pressure is released.

Typical Properties

PROPERTY	VALUE
Color:	Clear
Packaging:	10.5 oz. plastic cartridge, 1 quart and 1 gallon containers
Joint Size:	Cartridge - up to 2" wide; Brush grade - N/A
Paintability:	With latex paint/stain in 24 hours or oil-based paint/stain after 1 week
Clarity (NTU):	Cartridge grade - < 13; Brush grade - < 15
Application Range:	0°F to 120°F (-18°C to 49°C) surface temperature
Service Range:	-25°F to 180°F (-34°C to 82°C)
Tensile Properties:	Cartridge - Recovery at 50% stretch: 96% in 1 minute at 100% stretch: 96% in 1 minute Brush - Recovery at 50% stretch: 100% in 3 minutes at 100% stretch: 96% in 5 minutes
VOC	Cartridge: 390 g/L Brush: 524 g/L Low VOC brush: <300 g/L

PROPERTY	RESULTS	TEST METHOD
Hardness, Shore A (21-day cure)	Cartridge - 35; Brush - 33	ASTM C661
Slump	Cartridge - < 1/8" Brush - slumps	ASTM D2202
Solids	Cartridge: 55.9% by wt. Brush: 36.1% by wt. Low VOC brush: 45.2% by wt.	ASTM C1250
Extrusion Rate	Cartridge - 80 g/min (1/8" orifice at 40 psi) Brush grade - N/A	ASTM C603
Cured	1 week (dependent on temperature, humidity and bead size/thickness)	ASTM C679
Tack-free	30 minutes	ASTM C679
Low Temp. Flexibility	Pass	ASTM C734
Freeze-Thaw Stable	Won't freeze	ASTM C731
Adhesion-in-peel	See "ADHERES TO"	ASTM C794
Passing Substrates	section inside this brochure	

SPECIFICATIONS:

- Meets FHA requirements.

The data reported here is believed to be reliable. No warranty is made concerning its accuracy of the results obtained from its use.

TRF 002 12-14

Seals everything that goes

Through the ROOF!

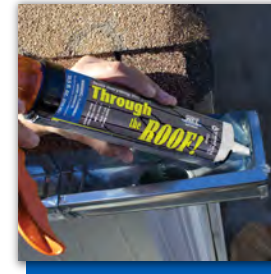
Seals Leaks that Asphalt Can't!



Vents



Shingles



Gutters



Flashing

- Clear waterproof sealant
- Repels water immediately
- Can be applied in cold temperatures
- Highly elastic – will not crack
- Expands & contracts with temperature changes

sticks to
WET
surfaces



Roofs Move

Wind gusts and changes in weather put your roof in constant dynamic motion. Asphalt roof caulks dry hard and crack. They can't handle the movement, but Through the Roof!® can. It's the clear, waterproof, ultra-elastic sealant made to permanently stop and prevent roof leaks.

Why Use Through the Roof!?

- **Stops and prevents roof leaks**
- **Waterproof** – repels water immediately
- **Ultra-clear** – seals over tile, brick, shingles and more – invisibly
- **Apply in almost any weather** – in temperatures down to 0°F
- **Sticks to wet surfaces** – can be applied during rain or in standing water
- **Excellent durability** – Lasts 20x longer than asphalt
- **Excellent UV resistance** – goes on clear and stays clear
- **Super elastic** - moves with temperature changes, won't dry hard & crack

Where to Use Through the Roof!

- To repair broken shingles, shakes and tiles
- To glue down shingles and front edges of flat roof tiles



- To seal around:
 - Galvanized metal and aluminum flashing
 - Asphalt shingles, cedar shakes, cement, slate and glazed roof tiles
 - Skylights, gutters and downspouts
 - Brick, block, mortar and chimneys
 - PVC and ABS vent pipe, and rubber roof membranes
 - Metal RV roofs
 - Vents and air conditioning units
 - Roof jacks and cables

Adheres To: (all conform to ASTM C794)

Most building materials, including:

Metals

- Aluminum
- Brass
- Powder-coated metal
- Copper
- Steel
- Galvanized steel

Plastics

- ABS
- Vinyl
- Polycarbonate
- Lexan®*
- PVC
- Fiberglass
- Nylon
- Acrylic Sheet
- Plexiglas®*

Other Surfaces

- Asphalt
- Brick
- Ceramic tile
- Concrete
- Mortar
- Polyurethane
- Stucco
- Glass
- Terra cotta
- Cement
- Wood
- Cloth/canvas
- Stone
- Polyisobutylene
- Low quality EPDM Rubber (*may wrinkle, but won't affect product performance*).

Where Not to Use

- Areas of submersion or frequent, prolonged puddling
- With polystyrene insulation
- Containment applications
- Will not adhere to or is incompatible with Aquaseal®*, Kynar®*, polypropylene, polyethylene, silicone, Styrofoam™ (it dissolves it), waxes
- **For materials not listed, contact Sashco for guidance or test first for compatibility.**

* Lexan®, Plexiglas®, Kynar®, and Aquaseal®, are registered trademarks of their respective owners.

Before You Start: Good Tips to Know

- Be sure you've located the source of any roof leaks to ensure you apply Through The Roof! in all the necessary locations.
- Through the ROOF! can be applied in extreme temps (down to 0°F and up to 120°F). Be aware that large beads applied in hot weather (above 95°F) may exhibit slight bubbling.
- Through the Roof! cures by solvent evaporation. Lower temperatures and higher humidity can extend cure time.
- Close ventilation intakes on roof until solvent dissipates (approx. 12 hours).
- Do not apply to frosty or icy surfaces. To remove frost, wipe down the surface with rubbing alcohol.
- To ease gunning in cold weather, keep cartridge warm until use.
- Natural shrinkage may give some joints a concave appearance. Multiple applications may be needed to fill the joint flat.
- Flammable during early cure (24-48 hours); fully cured in 1-2 weeks.



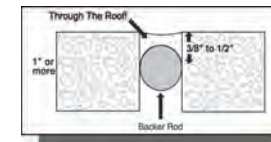
Application Steps

Substrate/Surface Prep

- If dirt or oils are present, use any household cleaner to remove and allow to dry.
- Cut away loose materials or old caulking. Any existing silicone should be completely removed to ensure proper adhesion of Through the ROOF! We recommend McKanica® Silicone Caulk Remover.*

*McKanica® is a registered trademark of its owner.

Applying Through the Roof!



Cartridge Grade

Joint design: Insert Sashco's Filler Rope™(backer rod) into joints deeper than 1/2" to provide for proper sealant depth and a

stronger, longer lasting seal that uses less Through the ROOF! (refer to diagram for details).

- Choose bead size. Cut the nozzle at a 45° angle to your desired bead size and puncture the inner seal.
- Gun Through the Roof! into the joint and release the trigger at the end of each bead.
- To ensure best adhesion, tool (smooth out) the bead using soapy water or mineral spirits and a light, skimming touch.

Brush-on Grade

- Use a foam brush or paint brush to apply Through the ROOF! 1/8" to 1/4" thick. Due to flammability, do not apply over 1/4" thick.
- Work the product on to the surface to ensure good contact and optimum adhesion.
- When applying to wet surfaces, tool and push Through the ROOF! onto the surface to displace the water and ensure a proper bond with the substrate.

Clean Up & Storage

- Clean tools and unwanted surface spills with mineral spirits.
- Clean hands with citrus-based hand cleaner until all product is removed.
- Through the Roof! can be stored if the nozzle is tightly wrapped with plastic wrap and a rubber band. Seal cans tightly with original lid.

For additional application tips and information on other Sashco high-performance products, visit www.sashco.com