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**RAIN
BUSTER®**

Bonds & Seals
850
Lifetime Warranty

Ultra Flexible Roof Tile Adhesive/Sealant

Prevents Roof Leaks and Broken Tile

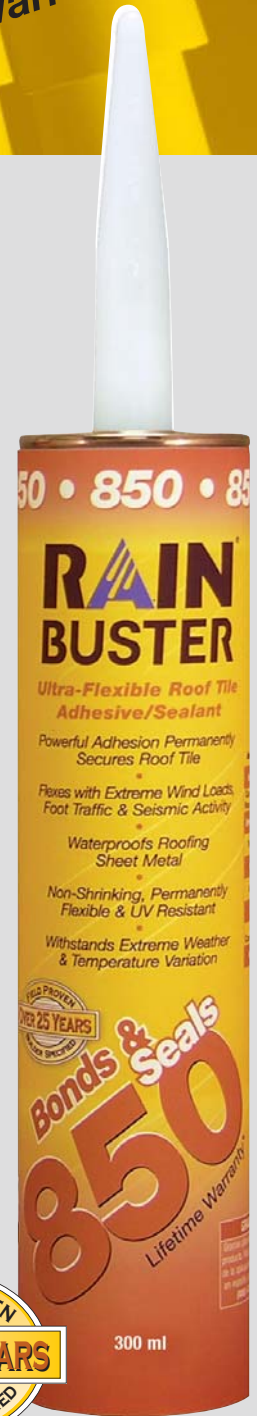


ROOF TILE | SHINGLES | SHEET METAL | FLASHING | VENTS | GUTTERS | TRIM | NEW CONSTRUCTION | REPAIRS

Roofs are on the front line in preventing water intrusion and are subjected to the most extreme wind and weather conditions. To prevent roof damage and leaks, an adhesive/sealant must be a standout performer. RainBuster 850 Ultra-Flexible Roof Tile Adhesive/Sealant is specified by leading builders and trusted by quality-minded contractors to prevent roof leaks. Unlike traditional roofing cements and mastics, RainBuster 850 offers a high-grade polyurethane formulation, permanent flexibility and powerful adhesion.

When used as a roof tile adhesive, RainBuster 850 shines as it flexes with hurricane force wind uplift, foot traffic, and seismic activity to prevent broken tiles. When applied to flashing, vents and gutters, RainBuster 850 permanently seals joints to effectively divert water away from the home.

- ▶ High-Grade Polyurethane Formulation
- ▶ Permanently Secures Roof Tile
- ▶ Non-Shrinking, Permanently Flexible
- ▶ UV Resistant; Flexes to Prevent Broken Tiles
- ▶ Withstands Extreme Wind, and Foot Traffic
- ▶ Seals Roofing Joints including Flashing
- ▶ Withstands Extreme Weather & Temperature
- ▶ Non-Sag to Prevent Tile Slip
- ▶ Adheres to Damp Surfaces
- ▶ Paintable (See Painting Section)
- ▶ Non-Flammable
- ▶ VOC, CARB, and AQMD Compliant
- ▶ Lifetime Warranty



The Ultimate Roof Tile Adhesive/Sealant



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Ultra Flexible Roof Tile Adhesive/Sealant



DESCRIPTION

RainBuster 850 Ultra-Flexible Roof Tile Adhesive/Sealant is the high quality standard in the prevention of roof leaks. Its technologically advanced polyurethane formulation has been specifically designed to provide roofing application solutions. RainBuster 850 performs equally well when used as a tile adhesive or as a sealant on flashing, vents, and other roof penetrations. RainBuster 850 is ideal for specifying as a multi-use roofing adhesive/sealant. It is ideal for both new construction and repairs.

PACKAGING, SHELF LIFE & STORAGE

RainBuster 850 Ultra-Flexible Roof Tile Adhesive/Sealant is available in standard 300 ml cartridges (packaged 24 per case) and 592 ml sausage tubes (packaged 12 per case). The shelf life is 12 months. Store in a cool, dry place below 80°F for maximum shelf life.

AVAILABILITY AND COST

RainBuster 850 Ultra-Flexible Roof Tile Adhesive/Sealant is competitively priced and widely available. Please contact Top Industrial, Inc. at 800-473-1617 or see www.topindustrial.com for a supplier nearest you.

AUTHORIZATIONS

Meets or exceeds:

- ASTM C920 Type S, Grade NS, Class 35, use NT, A and M
- Federal Specification TT-S-00230C (COM-NBS) Type II, Class A
- Canadian Specification CAN/CGSB-19, 13-M87

ENVIRONMENTALLY FRIENDLY

- Qualifies for LEED Credit from U.S. Green Building Council: 1 pt EQ Credit 4.13
- Qualifies for NAHB Green Build Credits: 5 pts Global Impact Credit 7.1.3
- VOC Compliant under AQMD and CARB

LIFETIME WARRANTY

Top Industrial warrants this adhesive to perform as described on its package and associated data sheet for a period of 100 years from the date of purchase. See next page for further warranty details.

Field Proven to Prevent Roof Leaks



TILE-TO-TILE BONDING

RainBuster 850 is ideal for adhering roof tile-to-tile in valley, ridge, hip, rake and general roof tile installation. Secures cut tiles when mechanical fasteners cannot be used. RainBuster 850 provides additional protection against wind uplift, seismic activity, and tile damage. Prevents tile chatter. RainBuster 850 seals nail entry points created during tile installation. RainBuster 850 flexes to stay bonded and prevent broken tile and roof leaks.



FLASHING LAP JOINTS

RainBuster 850 is ideal for sealing varied lap joints where two lengths of flashing meet such as in valleys. RainBuster 850 flexes to maintain a permanently bonded watertight seal. For best results, apply a continuous 1/2" bead to both the inside and outside of the joint. Tool the outside joint bead as necessary (see application and tooling sections). Available in the multiple colors and paintable (see painting section).



ROOF-TO-WALL FLASHINGS

RainBuster 850 is ideal for use where flashing terminates at walls and chimneys. RainBuster 850 provides outstanding adhesion to both metal and common exterior wall surfaces. RainBuster 850 flexes to maintain a watertight seal. For best results, apply a continuous 1/2" bead to both the inside and outside of the joint. Tool the outside joint bead as necessary (see application and tooling sections). Available in the multiple colors and paintable (see painting section).



VENTS AND CHIMNEY CAPS

RainBuster 850 seals joints in vents, chimney caps and other roofing envelope penetrations. Also secures vent structures to underlying bases. RainBuster 850 flexes to maintain a watertight seal. For best results, apply a continuous 1/2" bead to both the inside and outside of the joint. Tool the outside joint bead as necessary (see application and tooling sections). Available in the multiple colors and paintable (see painting section).

Gutters: Seals seams in gutters, gutter assemblies, and downspouts.

Composition Roof Shingles: Adheres shingles and supplements mechanical fasteners.

Skylights: Permanently seals seams and fastener entry holes.

HVAC: Supplements mechanical fasteners and seals seams. Can significantly reduce vibration noise.

Underlayment: Seals tears in felt and underlayment. Bridge entire tear and tool as necessary.

Wet Surface Leak Repair: Adheres to damp surfaces. Remove standing water prior to application.

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APPLICATION: Easy to apply with conventional caulking equipment. Application temperature range: 20F – 120F. If application air temperatures are below 40F, condition product at 70F prior to using for best results. Cut tip at a 45-degree angle. Location of cut will determine desired bead thickness. Puncture seal. Apply sealant to joint. Typically, minimum 3/8"–1/2" beads should be used for proper bonding and sealing. Fill joints in continuous beads from deepest point and avoid overlapping of sealant to prevent air entrapment. Adhesive/sealant should wet the joint wall surfaces. With lap joints, apply adhesive/sealant to both inside and outside of joint for best results. Adhesive/sealant provides 1-3 hour working time before skinning. Adhesive/sealant cures with exposure to normal atmospheric moisture with full cure in 1-3 days depending on humidity. May be used on damp surfaces; take steps to remove standing water. For best results, use opened cartridges and sausages the same day.

APPROPRIATE SURFACES: RainBuster 850 is appropriate for use in new construction and repairs on a wide range of common roofing materials including concrete, clay, slate, composition, fiber-cement, asphalt saturated shingles, masonry, mortar, metals including galvanized, aluminum, and copper, underlayment and felts, plastics including PVC, vinyl, fiberglass, nails, and wood.

PREPARATION: For best adhesion results, surfaces should be clean, and free from dirt, dust, oils, release agents, standing water, old sealants, or other contaminants. Dust and loose particles should be blown off surfaces.

FIELD PRETEST: Due to the varied nature of construction substrates, field-test adhesive/sealant on actual surfaces prior to beginning work. User must determine if results including adhesion are acceptable.

TOOLING: If required, tooling is recommended within 20 minutes after application. Tooling should be done in one continuous stroke. Techniques using solvents or soaps are not recommended. If masking, remove tape immediately after tooling.

CLEAN UP: Clean hands safely with RainBuster Top Towels (citrus wipes). Mineral spirits and other commercial solvents such as xylene, toluene, or methyl ethyl ketone (MEK) may be used to clean up excess smears and tools. The use of solvents may be hazardous to your health. Keep away from open flame and use in well-ventilated area. Follow solvent manufacturer's instructions. Cured adhesive/sealant is difficult to remove and must be done so by abrasion or other mechanical means.

PAINTING OVER RAINBUSTER 850: For best results, apply paint over RainBuster 850 adhesive/sealant 72 hours after application. High quality 100% acrylic paints and primers are recommended. Many roofing specific spray paints are acceptable. Avoid the use of oil base paints as they may exhibit a slow/non-curing condition when in contact with adhesive/sealant. Paint when weather and temperature conditions meet paint manufacturer requirements. Field pre-test for suitability of paint and painting process is required. Contractor must determine suitability. Consult Top Industrial for further information.

MAINTENANCE: No maintenance should be needed. If adhesive/sealant becomes damaged, remove damaged portion. Clean surfaces in damaged area, and repair with fresh RainBuster 850.

PRIMING PRIOR TO APPLICATION: Generally, priming is not required. If adhesion pretest is unacceptable, consult Top Industrial for recommendations.

APPLICATION OVER GLAZED, PRE-PAINTED, OR PRE-PRIMED SURFACES: Glazed, pre-painted and pre-primed surfaces typically do not have the adhesive quality or flexibility of RainBuster 850 adhesive/sealant. Lack of adhesive/sealant contact with raw substrate may inhibit ability to maintain bond and seal. Glaze, paint or primer may pull away from raw substrate with joint movement.

USE WITH ASPHALT BASED SELF-ADHERED FLASHING (A.K.A. SBS modified asphalt & bituminous material): When used appropriately, RainBuster 850 can be used successfully with asphalt-based flashings. Unlimited contact is acceptable between adhesive/sealant and the permanent polyethylene/plastic-based facer side of self-adhered asphalt flashings. Steps must be taken to minimize contact with the adhesive side of asphalt flashings. Plasticizers in adhesive/sealant may accelerate the normal moistening and softening of asphalt that occurs with heat. Do not apply adhesive/sealant directly to adhesive asphalt side of flashing. Do not apply adhesive side of asphalt flashing directly over adhesive/sealant. Remove excess sealant prior to application of adhesive asphalt side of flashing. User must determine suitability through field pretest. Consult Top Industrial for further information.

LIMITATIONS: Suitability for each intended use must be determined by the user using the information found in this data sheet and an application pretest.

- Not for use over standing surface water or surface frost.
- Not designed to replace use of mechanical fasteners.
- Not for use where subjected to constant water immersion.
- When painted, user must determine paint suitability. See "Painting" section for detailed limitations.

- When used with asphalt-based self-adhered flashings, user must determine suitability through field pretest. See "Use With Asphalt" section for detailed limitations.
- Do not cure in presence of curing silicone sealants. This may interfere with RainBuster 850's curing process.
- Avoid sealant contact with solvent cleaners during cure. This may interfere with RainBuster 850's curing process.

PRECAUTION: Combustible vapor. Uncured sealant may cause allergic skin reaction and eye, skin and respiratory tract irritation. Keep away from sparks and flame. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure to vapors. Use only with adequate ventilation. Wear protective clothing during handling. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN. See material safety data sheet before use (contact Top Industrial or distributor).

FOR CONSTRUCTION AND INDUSTRIAL USE BY QUALIFIED CRAFTSMAN.

FIRST AID: If inhaled, remove to fresh air. If breathing is difficult, give oxygen and call a physician. In case of contact with uncured sealant, immediately flush eyes with water for at least 15 minutes and wash skin with soap and water after using RainBuster Top Towels (citrus wipes). Call a physician if irritation persists. See material safety data sheet for more detail.

LIFETIME WARRANTY DETAILS: Top Industrial, Inc. warrants this sealant/adhesive to perform as described on its package and associated data sheet for a period of 100 years from the date of purchase. Upon proof of purchase, Top Industrial's sole liability, expressed or implied, shall be to replace sealant/adhesive proven defective and is limited to the stated selling price. This warranty is not transferable from the original purchaser. In no event shall Top Industrial be liable for consequential or incidental damages, resulting from the use of its sealant products.



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AVAILABLE COLORS



PHYSICAL PROPERTIES

Skin Time.....1-3 hours
Cure Time.....1-3 days
% Solids.....96% to 99%
Paintable.....Yes – See limitations
Sag or Slump.....None
Clean-Up.....Citrus Cleaner
Shrinkage.....Nil
Chalking or Cracking.....Nil

TYPICAL PERFORMANCE CHARACTERISTICS

After 7 days cure at 77 deg. F and 50% RH
Hardness (Shore A).....32 ASTM D 2240
Tensile Strength.....Up to 250 psi ASTM D 412
Elongation.....1400% ASTM D 412
Adhesion in Peel.....>33 piw
.....T-S-00230C/ASTM C 794
Stain & Color Change.....None
.....TT-S-00230C/ASTM C 510
Ozone Resistance.....Excellent
Joint Movement Capability.....±35%
ASTM C719, 73°F cure / 73°F cycling
UV Resistance.....Excellent - ASTM C 793-75
Water Resistance.....Excellent

COVERAGE

300 ML CARTRIDGES APPROXIMATE LINEAR FEET PER CARTRIDGE								
BEAD WIDTH, INCHES								
BEAD DEPTH, INCHES:	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	
	1/8"	49.6	33.1	24.8	20.0	16.5	14.2	12.4
	1/4"	24.8	20.0	12.4	10.0	8.3	7.1	6.2
	3/8"	–	11.0	8.3	6.6	5.5	4.7	4.1
1/2"	–	–	6.2	5.0	4.1	3.5	3.1	

DISTRIBUTED BY:

**TRUSTED
RAINBUSTER
QUALITY**

**For more than 25 years,
Top Industrial's RainBuster**
brand has been trusted to prevent leaks in the building envelope and squeaks in floor structures. Today that trust runs deep - RainBuster is specified by the nation's leading builders and trusted by scores of respected contractors.

The reason for the trust is simple...
RainBuster products and services outperform other brands in preventing leak and squeak related call-backs.

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 Supersedes all Previously Published Literature
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