

# 450 • 450 • 450 • 450

Part of the...  
**RainBuster®**  
**LEAK-FREE**  
SYSTEM

# RAIN BUSTER®

# Windows & Doors 450

Lifetime Warranty



## Ultra High Performance Window & Door Sealant Prevents Leaks



SEE INSIDE FOR DETAILS

**WINDOWS | DOORS | VINYL | WOOD | ALUMINUM | FIBERGLASS | COMPOSITES | STUCCO/MASONRY | FLASHING**

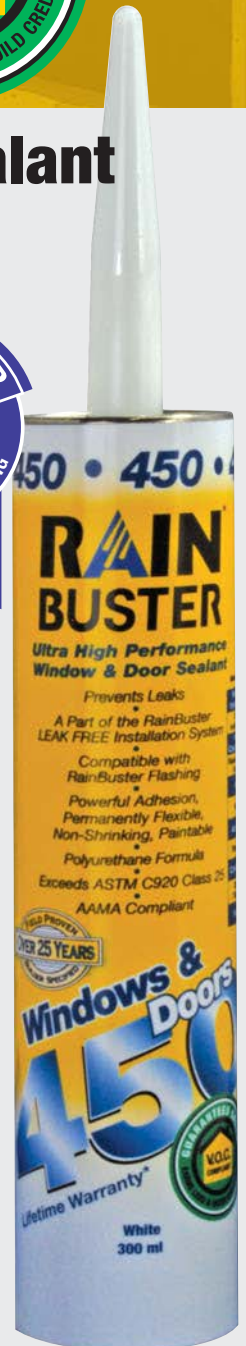
RainBuster 450 is designed specifically for window & door installation. Its ultra high grade polyurethane formulation provides the necessary adhesion and flexibility to prevent leaks in the most challenging weather conditions.

RainBuster 450 is the cornerstone of the RainBuster LEAK-FREE Window Installation Systems. RainBuster 450 works harmoniously with RainBuster Flashing and RainBuster Installation Procedures to provide an unbeatable leak preventing combination. The LEAK-FREE system is tested, compatible and backed by a 30 Year Parts & Labor warranty.

Choosing RainBuster 450 insures a leak preventing sealant that exceeds all standards for window & door installation. And, it comes from a proven company that provides consistent quality and an industry best warranty.

- ▶ Prevents Leaks
- ▶ Asphalt Compatible (see inside for details)
- ▶ Powerful Adhesion
- ▶ Permanently Flexible
- ▶ Non-Shrinking; Paintable with Acrylics
- ▶ Polyurethane Formula
- ▶ Exceeds ASTM C920 Class 35
- ▶ AAMA Compliant
- ▶ A Part of the RainBuster LEAK-FREE Window Installation System
- ▶ Outstanding Product and System Warranties (see inside)

## Superior Leak Prevention



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# RAIN BUSTER®

## Ultra High Performance Window & Door Sealant Prevents Leaks



### DESCRIPTION

RainBuster 450 is an ultra-high performance, polyurethane sealant designed specifically for window & door applications. Its outstanding adhesion and flexibility allow it to maintain a seal in the most challenging conditions. It is proven to provide long term protection against both water and air intrusion.

### PACKAGING, SHELF LIFE & STORAGE

RainBuster 450 Window & Door 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.

### AUTHORIZATIONS

Meets or Exceeds:

- ASTM C 920 Type S, Grade NS, Class 35, Use NT, M, A, T, O and I
- Federal Specification TT-S-00230C, Type II, Class A
- AAMA 808.3
- AAMA 713 for use with RainBuster flashing per RainBuster procedures

### REGULATORY

- Meets V.O.C. requirements in all 50 states
- AQMD and CARB Compliant

### WARRANTY

This product carries a Limited Lifetime product replacement warranty. An enhanced 30 Year Parts & Labor Warranty is also provided if used as part of the RainBuster LEAK-FREE Window Installation System. See next page for details.

### RainBuster LEAK-FREE Window Installation Systems



The RainBuster LEAK-FREE Systems provide a comprehensive window installation solution for any construction detail, exposure, or preference. The LEAK-FREE Systems are third party tested to perform in extreme weather conditions and are designed to reduce leaks, callbacks, and litigation. Top Industrial stands behind these systems with an industry leading 30 Year Parts & Labor Warranty. Please contact Top Industrial for personalized service specific to your needs.



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**APPLICATION:** Easy to apply with conventional caulking equipment. Application temperature range: 20°F - 120°F. If application air temperatures are below 40°F, condition product at approximately 70°F 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. When applying sealant for bedding of window mounting flanges, make sure minimum 3/8" beads line up with fastener holes. Sealant beads on mounting flanges should be appropriately applied to create desired bead thickness - Do not apply by forcing nozzle down on flange, which will result in thin ribbons rather than substantial beads. Fill joints in continuous beads from deepest point and avoid overlapping of sealant to prevent air entrapment. Sealant should wet the joint wall surfaces and any back-up material.

**IDEAL USES:** RainBuster 450 is ideal for use in window & door installation as a leak preventing sealant. Contact Top Industrial for specific installation detail recommendations.

**APPROPRIATE SURFACES:** RainBuster 450 is ideal for use on all common window & door installation surfaces. This includes vinyl, wood, fiberglass, composites, stucco/masonry, plastics including PVC, lath & plaster foams, polyethylene, building paper including 60 minute paper, synthetic house wrap, flashing (see "Use with Asphalt Based Self-Adhered Flashing" section), and metals including aluminum, steel, galvanized, and varied alloys.

**PREPARATION:** For best adhesion results, all surfaces should be clean, dry, and free from dirt, dust, oils, release agents, water, old sealants, or other contaminants. Dust and loose particles should be blown out of joint.

**JOINT DESIGN:** This sealant is ideal for all joints found in window installation including bedding joints, lap joints, butt joints, and fillet joints. Maximum expansion and contraction of joint should not exceed +/-35%. Minimum recommended depth is 1/4". Maximum recommended depth is 1/2". For joints 1/4" to 1/2" wide, it is recommended that the depth be equal to the width. For joint widths of greater than 1/2", it is recommended that the depth be 1/2".

**BACKING:** Closed cell polyurethane backer-rod or bond breaker tape should be used when necessary to prevent three-sided adhesion and to control joint depth.

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

**PRIMING PRIOR TO APPLICATION:** Generally, priming is not required. If sealant is to be applied to a material with unusual surface characteristics or if adhesion pretest is unacceptable, consult Top Industrial for primer recommendations.

**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 sealant is difficult to remove and must be done so by abrasion or other mechanical means.

**APPLICATION OVER PRE-PAINTED OR PRIMED SURFACES:** Pre-painted and pre-primed surfaces typically do not have the adhesive quality or flexibility of RainBuster sealant. Lack of sealant contact with raw substrate may inhibit ability to maintain a seal. Paint or primer may pull away from raw substrate with joint movement.

**PAINTING OVER RAINBUSTER 450 SEALANT:** Painting is appropriate over sealant seams and beads in exterior trim, siding, fascia, masonry, and stucco. Paintable after 72 hours. Do not use oil base paints as they may exhibit a slow/non-curing condition when in contact with sealant. The use of water-based paints and primers is required. High quality 100% acrylic paints and primers are recommended. 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.

**USE WITH ASPHALT BASED SELF-ADHERED FLASHING (A.K.A. SBS modified asphalt & bituminous material):** Unlimited contact is acceptable between RainBuster 450 Sealant and the permanent facer films (non-release films) of

RainBuster membrane flashings. Additionally, contact is acceptable between adhesive side of RainBuster self-adhered membrane flashings and normal cured or uncured squeeze-out (resulting from 3/8" bead) of RainBuster 450 from behind window fin after window is set. Limit additional contact. Consult Top Industrial for further information.

**MAINTENANCE:** No maintenance should be needed. If sealant becomes damaged, remove damaged portion. Clean surfaces in damaged area, and repair with fresh RainBuster 450.

#### LIMITATIONS

- Not designed to replace mechanical fasteners.
- Not for use where subjected to constant water immersion.
- When painted, user must determine paint suitability. See "Painting" section for details.
- When used with asphalt-based self-adhered flashings, user must determine suitability through field pretest. See "Use With Asphalt" section for details.
- Do not cure in presence of curing silicone sealants. This may interfere with RainBuster 450's curing process.
- Avoid sealant contact with solvent cleaners during cure. This may interfere with RainBuster 450's curing process.
- Suitability for each intended use must be determined by the user using the information found in this data sheet and an application pretest.

**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).

**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.

**RAINBUSTER LEAK-FREE SYSTEMS:** RainBuster 450 is part of the RainBuster LEAK-FREE Window Installation Systems. These systems combine RainBuster 450 Sealant, RainBuster Flashing(s), and RainBuster recommended installation procedures. Contact Top Industrial for further information.

#### 30 YEAR WINDOW INSTALLATION SYSTEM WARRANTY:

When RainBuster 450 is used in combination with RainBuster Flashing(s) and RainBuster recommended installation procedures, a 30 Year Parts & Labor warranty is provided. Contact Top industrial for additional information.



#### LIMITED LIFETIME PRODUCT WARRANTY:

Top Industrial, Inc. warrants this product 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 product 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 products.

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**RAIN  
BUSTER**



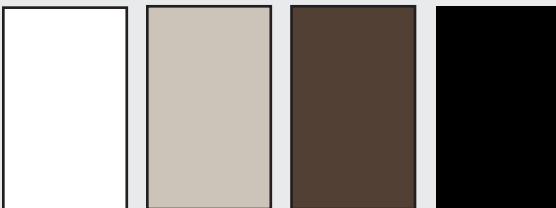
SEE INSIDE FOR DETAILS



**Ultra High Performance Window & Door Sealant  
Prevents Leaks**

WINDOWS | DOORS | VINYL | WOOD | ALUMINUM | FIBERGLASS | COMPOSITES | STUCCO/MASONRY | FLASHING

**AVAILABLE COLORS**



White      Tan      Bronze      Black

**PHYSICAL PROPERTIES**

Skin Time .....	1-3 hours
Cure Time .....	1-3 days
% Solids .....	96% – 99%
Paintable.....	Yes – See Limitations*
Sag .....	None ASTM C 639
Clean-Up.....	Citrus Cleaners
Shrinkage .....	None
Cracking and Chalking.....	None ASTM C 792
Artificial Weathering, Xenon arc, 250 hrs.....	Passes ASTM C 793

**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	

**TYPICAL PERFORMANCE CHARACTERISTICS**

Hardness (Shore A).....	25-30 ASTM C 661
Tensile Strength.....	350 psi ASTM D 412
Elongation.....	900% ASTM D 412
Adhesion in Peel .....	30 ASTM C 794
Stain & Color Change.....	Passes ASTM C 510
Ozone Resistance .....	Excellent
Joint Movement Capability.....	+/- 35% ASTM C 719
UV Resistance .....	Excellent ASTM C 793
Water Resistance.....	Excellent

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.**