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RAIN BUSTER®

Prevents Leaks
500
Lifetime Warranty

Polyurethane Sealant/Adhesive Provides a Permanent Watertight Seal



WINDOWS | DOORS | LATH | FLASHING | CONCRETE | SHEET METAL | SIDING/TRIM | ROOFING | OEM

In a competitive market, contractors, builders, and businesses must select building materials that improve profitability. A shortsighted choice can be catastrophic to the bottom line in repairs and callbacks. RainBuster 500 Polyurethane Sealant/Adhesive offers exceptional value and provides proven leak-free solutions.

RainBuster 500 performs well where most challenges occur, where inadequately sealed moving joints result in costly leaks and damage. RainBuster 500 stays bonded to joint walls and flexes to withstand movement caused by thermal expansion and contraction, seismic activity, and other displacement. RainBuster 500 an ideal choice for a variety of construction and industrial waterproofing applications.

- ▶ Proven Multi-Use Sealant/Adhesive
- ▶ High Strength, Durable Formulation
- ▶ Aggressive Adhesion
- ▶ Permanently Flexible
- ▶ Non-Shrinking
- ▶ Easy to Paint (See Painting Section)
- ▶ Fast Skin and Cure
- ▶ Withstands +/-25% Joint Movement
- ▶ For New Work, Remodeling, and Repairs
- ▶ For Industrial Use, Fabrication and OEM
- ▶ Adheres to Damp Surfaces
- ▶ Non-Flammable
- ▶ VOC, CARB, and AQMD Compliant
- ▶ Lifetime Warranty

Trusted RainBuster Quality



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RAIN BUSTER®

Polyurethane Sealant/Adhesive



DESCRIPTION

RainBuster 500 Polyurethane Sealant/Adhesive has a high performance elastomeric formulation that makes it a trusted industry leader. It is permanently flexible and aggressively bonds to a wide range of construction surfaces. While lesser sealants shrink and pull away as water or solvent dramatically evaporates during the curing process, RainBuster 500 is non-shrinking, drawing moisture from the atmosphere to cure.

PACKAGING, SHELF LIFE & STORAGE

RainBuster 500 Polyurethane Sealant/Adhesive 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 500 Polyurethane Sealant/Adhesive 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

Listed in AAMA's Verified Components Program:

- 808.3-92, Exterior Perimeter Sealing Compound
- 803.3-92, Narrow Joint Seam Sealer
- 802.3-92, Type II Back Bedding Glazing Compound

Meets or exceeds:

- ASTM C920 Type S, Grade NS, Class 25, 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.

Trusted to Prevent Leaks



WINDOWS & DOORS

RainBuster 500 is ideal for sealing window perimeters. It offers primerless adhesion to aluminum, fiberglass, PVC, vinyl, and wood. Its leading flexibility and outstanding adhesion allows it to maintain a watertight seal when faced with repeated joint movement.



LATH

RainBuster 500 is ideal for sealing through wall penetrations, nails, and tears in weather resistive barriers, building wrap, and lath paper. RainBuster 500 will permanently seal the lath drainage plain to prevent leaks in wall structures. It offers excellent adhesion to varied inorganic, non-paper based weather resistive barriers, lath foams, building paper, asphalt saturated papers, plastics, and metals.



SHEET METAL

RainBuster 500 is ideal for sealing joints in varied sheet metal flashing, vents, HVAC, downspouts, and gutters. Provides a permanently flexible watertight seal and aggressive adhesion to both raw and galvanized metals, copper, and aluminum.



ROOFING

RainBuster 500 is an excellent choice for roofing applications including tile-to-tile bonding and sealing sheet metal joints. Ideal for repairs and new construction. Well suited for emergency repairs of damp surfaces.

OEM AND INDUSTRIAL USE: RainBuster 500 is ideal for sealing/adhering varied manufactured and fabricated parts and structures.

CONCRETE: RainBuster 500 is ideal for sealing concrete expansion joints and cracks. Its excellent adhesive strength and movement capability enable it to maintain a permanent watertight seal

SIDING, TRIM, FASCIA, ARCHITECTURAL DETAILS: Seals joints and penetrations in siding, stucco, and trim. Adheres trim and details. Paintable with water-based paints (see painting section).

GENERAL CONSTRUCTION AND INDUSTRIAL USE: Ideal for varied locations where powerful adhesion and/or flexibility are important. Provides permanent air and watertight seals.

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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/adhesive to joint. Typically, minimum 3/8"-1/2" beads should be used for proper sealing. Fill joints in continuous beads from deepest point and avoid overlapping of sealant/adhesive to prevent air entrapment. Sealant/adhesive should wet the joint wall surfaces. Sealant/adhesive provides 1-2 hour working time before skinning. Sealant/adhesive cures with exposure to normal atmospheric moisture with full cure in 1-2 days depending on humidity. May be used on damp surfaces; take steps to remove standing water. For best results, use opened cartridges the same day.

APPROPRIATE SURFACES: RainBuster 500 is appropriate for use in new construction and repairs on a wide range of common construction materials including wood, vinyl, fiberglass, metals, plastics, masonry, stucco, brick, concrete, fiber cement board, flashings, polyurethane/resin based materials, lath foams and house wrap.

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 500: For best results, apply paint over RainBuster 500 sealant/adhesive 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 sealant/adhesive becomes damaged, remove damaged portion. Clean surfaces in damaged area, and repair with fresh RainBuster 500.

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

APPLICATION OVER PRE-PAINTED/PRE-PRIMED SURFACES: Pre-painted and pre-primed surfaces typically do not have the adhesive quality or flexibility of RainBuster 500 sealant/adhesive. Lack of sealant/adhesive contact with raw substrate may inhibit ability to maintain bond and seal. 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 500 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 sealant/adhesive. Remove excess sealant/adhesive 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 500's curing process.
- Avoid sealant contact with solvent cleaners during cure. This may interfere with RainBuster 500'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/adhesive, 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.....	1-2 hours
Cure Time.....	1-2 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).....	33 ASTM D 2240
Tensile Strength.....	Up to 250 psi ASTM D 412
Elongation	600% ASTM D 412
Adhesion in Peel	20-25 piw
.....	T-S-00230C/ASTM C 794
Stain & Color Change.....	None
.....	TT-S-00230C/ASTM C 510
Ozone Resistance	Excellent
Joint Movement Cap.	±25%
.....	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 DEPTH, INCHES:	BEAD WIDTH, 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:



**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.

