

345 • 345 • 345 • 345 • 345

**RAIN
BUSTER®**

**Prevents
Squeaks**

345

Lifetime Warranty

Alternating Co-Polymer Squeak Eliminating Adhesive



SUBFLOORS | STAIRS | FLOOR JOISTS/SHEETING/HANGERS | SHORT WALLS | WALL SILL PLATES

Floor squeaks are the most emotion packed complaint of all the builder must face. They exist rain or shine and can translate into massive repair costs and a damaged reputation. To the homeowner, a squeak calls into question the quality of the entire home and repeatedly disturbs everyday life.

Leading builders and contractors trust RainBuster 345 to eliminate squeaks. Incorporating RainBuster 345 into the construction process allows squeaks to be prevented, eliminates costly post move-in repairs, and dramatically reduces warranty budgets.

Entirely unlike standard subfloor glues, RainBuster 345's high-grade polyurethane formulation offers a proprietary combination of ultra-flexibility and powerful adhesion proven to prevent squeaks.

- ▶ Eliminates Squeak Related Call-Backs
- ▶ Reduces Warranty Claims
- ▶ Results in Happy Homeowners
- ▶ Permanently Flexible; Non-Shrinking
- ▶ Powerful Adhesion
- ▶ Two-Hour Open Time Insures Bonding
- ▶ Adheres to Wet Surfaces
- ▶ Ideal for Wood and Steel Framing
- ▶ VOC, CARB, and AQMD Compliant
- ▶ Lifetime Warranty



The Ultimate Squeak Buster™



345 • 345 • 345 • 345 • 345

RAIN BUSTER[®]

Squeak Eliminating Adhesive



DESCRIPTION

RainBuster 345 Alternating Co-Polymer Squeak Eliminating Adhesive is specifically designed to prevent squeaks and associated callback repair costs, warranty claims, litigation, and damage to the builder's reputation. From its adhesion, strength, and flexibility to its open time and viscosity, everything about RainBuster 345 has been created to prevent the occurrence of squeaks. When used properly during construction, RainBuster 345 provides the builder a comprehensive squeak-free solution. RainBuster 345 outperforms AFG-01 standards for squeak elimination.

PACKAGING, SHELF LIFE & STORAGE

RainBuster 345 Alternating Co-Polymer Squeak Eliminating Adhesive is available in standard 828 ml cartridges (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 345 Alternating Co-Polymer Squeak Eliminating 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.

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, 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. See next page for further warranty details.

The Ultimate Squeak Buster™

SQUEAK PREVENTION OVERVIEW

Squeaks commonly occur when nails or other materials move against wood. When subjected to normal floor deflection resulting from drywall loading during construction, the movement of furniture during move-in, seismic activity, or even normal foot traffic, standard subfloor glues crack and lose the bond between sheeting and joist. When that bond is lost, nails pop. This creates permanent squeak points that are triggered by normal foot traffic. The use of RainBuster 345 during the construction process prevents the creation of squeak points. RainBuster 345, with its proprietary combination of cushion-like flexibility and tenacious adhesion, maintains the bond between two surfaces when subjected to the strain of even extreme movement. Top Industrial's extensive field experience has resulted in the identification of high-risk squeak points and the creation of use-specific solutions.



SHEETING TO JOIST BONDING

Apply a continuous 3/8" bead of RainBuster 345 to joists where the sheeting connection will occur. Secure sheeting to joists with nails and/or screws within two hours. RainBuster 345 permanently maintains the joist-to-sheeting bond to prevent nail pops and squeaks.



JOIST HANGERS

Apply a 3/8" bead of RainBuster 345 adhesive to both the shoulders and saddles of metal joist hangers prior to placement of joist. Place joists in hangers within two hours of adhesive application. RainBuster 345 prevents squeaks by permanently securing the hanger to joist connection and eliminating the possibility of metal to wood movement.



BUTT JOINTS IN FLOOR SHEETING

After the floor is sheeted, apply a continuous 1/8" bead (or enough to seal the joint) of RainBuster 345 at the butt joint between floor sheets. Because of their raw cut nature, these "end of sheet" spots can absorb water with rainfall and drywall clean up during construction, causing the wood to swell and creating additional strain on the connection. RainBuster 345 permanently seals these seams.

345 • 345 • 345 • 345 • 345



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. Apply a 1/4" - 3/8" bead of adhesive. A 3/8" bead should be used for optimal squeak prevention (see squeak prevention application section). Puncture seal. Apply continuous bead of adhesive to entire length of floor joists, stair stringers, or other surfaces to insure proper bonding. Adhesive beads should be appropriately applied to create desired bead thickness - do not apply by forcing nozzle down on surface, which will result in thin ribbons rather than substantial beads. After application, adhesive provides two-hour open time before skinning. Secure and nail floor sheeting, stair treads and risers, or other surfaces within two hours of adhesive application for proper bonding. For best results, use opened cartridges the same day.



STAIRS

The use of RainBuster 345 at all stringer, tread, and riser connection points is critical in stair structure squeak prevention. Apply a continuous 3/8" bead of RainBuster 345 to underlying stringers prior to placement of risers and treads. After placement of risers with nails and/or screws, apply an additional continuous 3/8" bead of RainBuster 345 to top of riser, where tread will connect. Prior to placement of treads with nails and/or screws, apply a continuous 3/8" bead to back edge of tread where it will butt up against the riser.



INTERIOR SECOND FLOOR WALL PLATES

Foot traffic adjacent to second floor walls causes floor sheeting to deflect away from the wall plate. Squeaks occur without proper bonding. Apply a single continuous 3/8" bead of RainBuster 345 to the bottom of second floor wall plates just prior to standing them up, **OR**, apply a continuous 1/4" bead to the sides of the wall plate where it meets the second floor sheeting after rough framed walls are secured (tool to promote good adhesion).

STAIR AND BALCONY HANDRAILS: To prevent creaks, squeaks and damage to handrails, apply a 3/8" bead at hand rail-to-underlying structure connection points during construction, or a 1/4" bead to both sides of structure after installation.

SHORT WALLS, BATHTUB FRAMES AND CLOSET WALL PLATES: To prevent creaks, squeaks and structural damage, apply a 3/8" bead at connection points during construction or a 1/4" bead to both sides of structure after installation.

THROUGH FLOOR TUBING-TO-WOOD CONTACT POINTS: Apply a 3/8" bead at all contact points during construction to prevent creaks and squeaks.

AIR & WATER BARRIER UNDER EXTERIOR WALL SILL PLATES: Applying a continuous 3/8" bead at exterior wall-to-foundation contact points during construction will provide a permanent air and water barrier.

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

APPROPRIATE SURFACES: RainBuster 345 is appropriate for use on a wide range of common construction materials including wood, dimensional lumber, OSB, plywood, metals, steel, galvanized metals, copper, aluminum, plastics, PVC, masonry and concrete.

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.

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.

LIMITATIONS:

- Not designed to replace nailing.
- Not for use over standing surface water or surface frost.
- Not for use where subjected to constant water immersion.
- 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 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.



RainBuster 345 Squeak Eliminator – Ultra-Flexibility and Powerful Adhesion



Standard Water or Solvent Based Subfloor and Construction Adhesives – Rigid with Poor Structural Stability

VS

345 • 345 • 345 • 345 • 345

**RAIN
BUSTER®**

Prevents Squeaks
345
Lifetime Warranty

**The Ultimate
Squeak Buster™**

**Alternating Co-Polymer
Squeak Eliminating Adhesive**



SUBFLOORS | STAIRS | FLOOR JOISTS/SHEETING/HANGERS | SHORT WALLS | WALL SILL PLATES

COLOR



White

PHYSICAL PROPERTIES

Skin (nailing) Time on
Dry Lumber.....2 hours
Permanent Flexibility.....Excellent
% Solids.....96% to 99%
Sag or Slump.....None
Clean-Up.....Citrus Cleaners
Shrinkagenil
Values given above are not intended to be used in specification preparation

COVERAGE

		828 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"
	1/4"	72.2	58.0	36.1	28.9	24.1	20.6	17.5
	3/8"	48.1	32.1	23.1	19.3	16.0	13.8	8.5
	1/2"	-	-	17.5	14.4	12.0	10.3	8.0

Using one tube for more than 2.5 sheets will cause the adhesive bead to be insufficient in size to achieve the proper surface contact requirement to allow it to adhere well and eliminate squeaks.

ELIMINATES SQUEAKS AT HIGH RISK CONTACT POINTS

- Sheeting to Joist Bonding
- Joist Hangers
- Butt Joints in Floor Sheeting
- Stair Assemblies
- Interior Second Floor Wall Plates
- Stair and Balcony Handrails
- Short Walls, Bathtub Frames and Closet Wall Plates
- Through Floor Tubing-To-Wood Contact Points

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.

January 2008
 Supersedes all Previously Published Literature
 © Top Industrial, Inc. 2008