

## Technical Data

# RainBUSTER™ No. 17000

FROM TOP INDUSTRIAL, INC.

### PRODUCT NAME

#### Top "RainBuster" No. 17000

Sanitary silicone elastomeric adhesive sealant. A one-component, 100% silicone, Professional Grade mildew resistant, elastomeric adhesive/ sealant.

### PRODUCT DESCRIPTION

Top "RainBuster" No. 17000 sanitary silicone elastomeric adhesive sealant is a one-component, room temperature curing silicone elastomer. Top "RainBuster" No. 17000 is a proven general purpose construction, industrial and glazing adhesive/sealant with many years of trouble-free, mildew-resistant application.

### FEATURES

- Mildew Resistant
- 100% Silicone
- Won't crack or chip, remains flexible
- Excellent adhesion
- Resists cleaning chemicals and staining
- Anti-yellowing Formulation
- 50-yrs. Durability

### APPROVED USES

Top "RainBuster" No. 17000 sanitary elastomeric adhesive sealant may be used for: cultured marble and onyx, spas and hot tubs, bathtubs, shower doors, plumbing fixtures, ceramic tile installation/sealing, and interior/exterior sanitary applications.

### COLOR

Top "RainBuster" 17000 is available in the following standard colors:

- Clear
- White
- Translucent White
- Bone

Special colors also available. Contact your local construction/industrial supply house, or Top Industrial at (818) 901-1313.

### AUTHORIZATIONS

Top "RainBuster" No. 17000 meets federal specifications TTS-001543A for silicone building sealants and TT-S-00230C; ASTM C920-95 for elastomeric joint sealants, Type S, Grade NS, class 25, Use NT, G, A; and MIL-A-46106 per current revision and type.

### PACKAGING AND SHELF LIFE

Top "RainBuster" No. 17000 is available in 10.3 Oz. cartridges, packaged 24 per case; 5-gallon pails and 55-gallon drums. The shelf life is twelve months from date of purchase.

### PHYSICAL PROPERTIES

#### TOP "RAINBUSTER" NO. 17000

#### SANITARY SILICONE ADHESIVE/SEALANT

Tooling Time, minutes.....	7-10
Tack-free Time @ 77°F, (25°C) hours.....	10-20
Curing Time at 77°F (25°C) and 50% RH, hours.....	24
Flow, Sag or Slump.....	nil
3.18 x 101.6 mm bead *As cured - physical	
ASTM D 2240 Durometer Hardness, Shore A, points.....	25
ASTM D 412 Tensile Strength, P.S.I.....	300
ASTM D 412 Elongation, Die C percent.....	600

\*Measured on 1.91 mm thick (0.075 inch) slabs after curing 72 hours at 77°F (25°C) and 50% RH.

### APPLICATION

Apply Top "RainBuster" No. 17000 Silicone Elastomeric Adhesive Sealant with hand gun or pressure equipment in a continuous operation using a positive pressure adequate to properly fill and seal the joint. Tool or strike the sealant with light pressure to spread the material against the backup material and the joint surfaces. A tool with concave profile is recommended to keep the sealant within the joint. In glazing, tool the sealant applied at the sill so that rain, melting snow and cleaning solutions will not pool. Do not apply below -20°F.

Excess sealant should be wiped clean, cleaned from glass, metal and plastic surfaces while still uncured and followed with a commercial solvent such as xylol, toluol, or methyl ethyl ketone. Should sealant accidentally contact and begin to cure on adjacent porous surfaces, the excess sealant



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should be allowed to progress throughout the initial cure of setup. It should then be removed by abrasion or other mechanical means.

CURED SEALANT IS USUALLY VERY DIFFICULT TO REMOVE WITHOUT ALTERING OR DAMAGING THE SURFACE TO WHICH IT HAS BEEN MISAPPLIED.

### INSTALLATION

**Joint Design:** Joint width should be a minimum of four (4) times anticipated movement, and at least 1/4" wide. Maximum joint movement should not exceed 25% applicable to both horizontal and vertical joints. Top "RainBuster" No. 17000 generally follows standard ASTM spec., when used at a width of 1/4" or more. Width to depth ratio should be 2 to 1. (Example: joint width = 1", joint depth = 1/2")

**Cleaning:** Top "RainBuster" No. 17000 requires standard cleaning procedures prior to sealant application. Clean all joints and glazing area by removal of foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants or glazing compounds, as well as any protective coatings. Porous substrates should be cleaned where necessary by grinding, saw cutting, blast cleaning (sand or water), mechanical abrading or a combination of these methods which will be required to provide a sound, clean dry surface for sealant application.

Metal, glass and plastic surfaces should be wipe with a clean cloth and isopropyl alcohol. Detergent or soap and water cleaning treatments are not recommended. Protective films must be removed by a solvent recommended by the manufacturer of the component or other means which leave no residue. In all cases where used, solvents shall be applied with one clean cloth or lintless paper towel and the solvent wiped clean with a second cloth or towel. Cleaning solvents should be allowed to air dry or evaporate without wiping. Architectural coatings, paints and plastics shall be cleaned with a solvent approved by the manufacturer of that product. Cleaning of all surfaces should be done on the same day in which sealant is applied.

**Joint Backing:** Backer rod or bond breaker tape should be used in all joints to prevent three-sided adhesion. Be sure backing is dry at the time of sealant adhesion. Contact Top Industrial for backing materials.

**Priming:** Primers are required for some surfaces. Primers must be applied according to the manufacturer's printed instructions.

Priming is not usually required on glass, standard aluminum finishes and most plastics. A bead of silicone sealant should be applied to the material surface at the job site or manufacturing location to test adhesion prior to general job use is required.

### LIMITATIONS

Top "RainBuster" No. 17000 is not recommended for:

- a. Concrete and stone expansion joints, horizontal decks, patios, horizontal terrace joints where abrasion or physical abuse is encountered.
- b. Aquarium manufacturing or repair; product contains a fungicide which is not conducive to aquarium life.
- c. Sealing submerged joints, particularly where porous surfaces permit water infiltration to the bond surface.
- d. Interior or exterior structural sealing below the waterline in marine applications.
- e. Designs that will be painted after application of the sealant. Paint films bridge the sealant but do not adhere to the sealant.
- f. Tooling techniques using solvents or detergent soap solutions.
- g. Surfaces with special protective or cosmetic coatings without prior consultation of the manufacturer. Such surfaces include, but are not limited to, mirrors, reflective glass, surfaces coated with Teflon, polyethylene or polypropylene.
- h. Applications where appearance is critical without conducting test to determine its compatibility and migration to the assembly surfaces.
- i. Concrete, natural marble, limestone, lead or lead-coated surfaces and copper.
- j. Construction materials that may exude oils, resins, plasticizers or solvents. These include, but are not limited to, unfinished or impregnated woods, certain rubber or plastic gaskets and tapes, and failed non-silicone sealants or caulking compounds.
- k. Unclean or wet surfaces.
- l. Food contact surfaces (Use Top 12000 for all food surfaces)
- m. Structural applications.

### LIMITED WARRANTY

Top Industrial's sole liability, expressed or implied, shall be to replace product proven defective and is limited to the stated selling price. Prior to application, USER MUST CONDUCT A FIELD TEST TO DETERMINE SUITABILITY FOR A PARTICULAR PURPOSE. User assumes all risks and liability in connection herewith. No salesperson,

agent, employee or representative of Top Industrial Inc. has any authority to enlarge or change the terms of the warranty. There are no other agreements, understandings, representations or warranties, expressed or implied (including any regarding merchantability or fitness for a particular purpose). Professional use only.

### M.S.D.S. SHEETS

Attention! Product safety information required for safe use is not included. Before handling, read product data and material safety data sheets as well as cartridge packaging to insure safe use and handling. The material safety data sheet is available from your local construction supply house, or Top Industrial, Inc. at (818) 901-1313, or by fax at (818) 780-3064.

### AVAILABILITY AND COST

Top "RainBuster" No. 17000 is available through your local construction supply company, or contact Top Industrial at (818) 901-1313 for the supplier nearest you.

**Volatile Organic Compound (VOC) content = 32 G/L.**

**PRECAUTION:** MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. Avoid contact with eyes. Do not handle contact lenses with product on hands. Avoid contact with skin and clothing. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation to reduce vapors below discomfort level.

**FIRST AID:** IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. IN CASE OF SKIN CONTACT, IMMEDIATELY FLUSH/WASH SKIN WITH SOAP AND PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION. IN CASE OF INHALATION DISCOMFORT, REMOVE TO FRESH AIR. PRODUCT RELEASES ACETIC ACID (VINEGAR-LIKE ODOR) DURING CURE.

**KEEP OUT OF REACH OF CHILDREN.**

**CONTAINS:** 007631869 Silica, Amorphous Fumed; #1655, 070131678 Dimethyl Siloxane, Hydroxy-terminated, 004253343 Methyltriacetoxysilane, 017689779 Ethyltriacetoxysilane and 063148629 Polydimethylsiloxane.

NFPA: Health 1, Flammability 1, Reactivity 0.

ODC Label: No.

For additional information, see Material Safety Data Sheet (MSDS) for this material.

**FOR CONSTRUCTION AND INDUSTRIAL USE ONLY BY QUALIFIED CRAFTSMEN. READ MATERIAL SAFETY DATA SHEET PRIOR TO USE.**

## **FIFTY-YEAR WARRANTY**

A. Warranty (what Top Industrial guarantees)

Top Industrial warrants that Top "Rain-Buster" No. 17000 Sanitary Silicone Elastomeric adhesive/sealant is of merchantable quality, and that for a period of fifty years from the date of purchase, the adhesive will perform as described on the package. Adhesive must be used within twelve months from date of purchase.

B. Limitation of warranty (what Top Industrial does not guarantee)

The warranty above is in lieu of all implied warranties. Top Industrial makes no warranty, express or implied, with respect to the properties of adherence, appearance or any other property of Top Industrial adhesives which is in any way dependent on the techniques, methods or precautions employed in application. The warranty and Top Industrial's liability shall expire 50 years after date of purchase.

C. Exclusive remedy (what Top Industrial will do if the adhesive is not as warranted or does not perform as warranted)

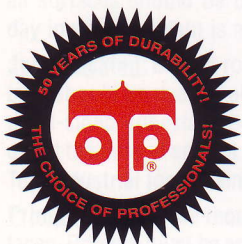
Top Industrial shall refund the purchase price of any adhesive which does not meet or does not perform according to warranty.

D. Limitation of liability (what Top Industrial will not be liable for)

The remedy stated earlier constitutes the exclusive remedy and Top Industrial's sole liability in connection with claims arising out of the purchase or use of the adhesive. Top Industrial shall not be liable for any sum exceeding the purchase price of adhesive shown to be otherwise than as warranted. In no event shall Top Industrial be liable for consequential or incidental damages, such as, for illustrative purposes only, labor costs in removing or replacing the adhesive, repair or replacement of other building materials, and the like.

**COVERAGE**

10.3 FL. OZ. CARTRIDGES (304 ML) APPROXIMATE LINEAR FEET PER CARTRIDGE									
		BEAD WIDTH, INCHES							
		1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
BEAD DEPTH, INCHES:	1/8"	99	49.5	33	24.5	20	26.5	14	12.5
	1/4"	-	24.5	20	12.5	10	8	7	6
	3/8"	-	-	11	8	6.5	5.5	4.5	4
	1/2"	-	-	-	6	5	4	3.5	3



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CONTAINS COPPER AND SILVER NANOPARTICLES  
 KEEP OUT OF REACH OF CHILDREN  
 MUST BE USED IN ACCORDANCE WITH THE INSTRUCTIONS  
 PROVIDED WITH THE PRODUCT