

## Technical Data

# RainBUSTER™ No. 14000

FROM TOP INDUSTRIAL, INC.

### PRODUCT NAME

#### Top "RainBuster" No. 14000

High performance silicone elastomeric adhesive sealant. A one-component 100% silicone, elastomeric adhesive/sealant.

### PRODUCT DESCRIPTION

Top "RainBuster" No. 14000 neutral cure sealant is an all-purpose, one-part product that adheres without priming to a variety of materials and cures to a durable, flexible silicone rubber upon exposure to water vapor in the air. It is designed for application in a wide range of industrial construction and installation operations.

### FEATURES

- Will Not Slump, Sag or Runoff Surfaces
- 50-yrs. Durability
- 100% Silicone
- 50% Total Movement
- Permanently Flexible
- Neutral-Curing, Non-Corrosive
- Primerless adhesion to: vinyl & most plastics\* precast concrete, concrete, brick, mortar granite, ABS, formica, most fiberglass, polystyrene, most metals, chrome, copper, galvanized sheet metal, wood and more!

### APPROVED USES

Top RainBuster No. 14000 High Performance Silicone Elastomeric Adhesive Sealant, when properly applied, may be used for: vinyl and aluminum windows, doors and siding; awnings, canopies, patio rooms and solariums; sheet metal skylights, gutters, downspouts, roof panels, coping and flashing; glazing of glass and perimeter sealing; recreational vehicles; modular buildings and offices; and sign enclosure sealing.

### COLOR

Top "RainBuster" No. 14000 is available in the following standard colors:

- Clear
- White
- Black
- Bronze
- Gray
- Colonial White (Beige)

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

### AUTHORIZATIONS

Top "RainBuster" No. 14000 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.

### PACKAGING AND SHELF LIFE

Top "RainBuster" No. 14000 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. 14000

#### ONE-COMPONENT ADHESIVE/SEALANT

Tooling Time, minutes.....	8-10
Tack-free Time @ 77°F, (25°C) RH, minutes.....	15-25
Curing Time at 77°F (25°C) and 50% RH, days.....	7-14
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 Max. Tensile Strength, P.S.I.....	200
Movement Capability, percent.....	+/-25%

### APPLICATION

Apply Top "RainBuster" No. 14000 High Performance 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.

Over 15  
Years  
Proven  
Field  
Record



TOP INDUSTRIAL, INC.

September, 1998  
Supersedes all Previously Published Literature

Excess sealant should be wiped clean, cleaned from glass, metal and plastic surfaces while still uncured and followed with a commercial solvent. Should sealant accidentally contact and begin to cure on adjacent porous surfaces, the excess sealant 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. 14000 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. 14000 requires standard cleaning procedures prior to sealant application. Clean all joints and glazing areas 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 wiped 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 should 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 should 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. 14000 is not recommended for:

- a. horizontal concrete and stone expansion joints, horizontal decks, patios, horizontal terrace joints where abrasion or physical abuse is encountered.
- b. Aquarium manufacturing or repair
- 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. 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.
- j. Unclean or wet surfaces.
- k. Any structural glazing application including four-sided glazing, or structural applications where no mechanical fasteners are used. If Top "RainBuster" No. 14000 is used in direct contact with any other sealant or elastomer, a compatibility test must be conducted by purchaser or user, prior to acceptance. The suitability of this product for each intended use, must be determined by the purchaser prior to acceptance.

### **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/industrial supply house, or Top Industrial, Inc. at (818) 901-1313, or by fax at (818) 780-3064.

### **AVAILABILITY AND COST**

Top "RainBuster" No. 14000 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: 46 G/L**

**WARNING: MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE SKIN IRRITATION. MAY CAUSE DROWSINESS. OVER-EXPOSURE CAN CAUSE BLOOD AND LIVER DAMAGE.** Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Avoid breathing vapor. Keep container closed. Use with adequate ventilation. **IN CASE OF SKIN CONTACT**, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur. **IF INHALED**, remove to fresh air. If effects persist, get medical attention. **KEEP OUT OF REACH OF CHILDREN.**

**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 if symptoms occur. IF CASE OF INHALATION DISCOMFORT, remove to fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**

**CONTAINS:** 007631869 Silica, Amorphous fumed; #1655, 070131678 Dimethyl Siloxane, Hydroxy-terminate, 022984549 Methyl Tri (ethylmethylketoxime) Silane and 083817725 Di (ethylmethylketoxime) Methoxymethyl Silane.

**NFPA:** Health 1, Flammability 1, Reactivity 0.

**ODC LABEL:** No.

**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. 14000 High Performance 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.

