



## Silicone 100% Clear

**Part Number: 045-3301**

Superior quality sealant providing long-lasting and water-resistant seals. Excellent adhesion, flexibility and durability.

<div><br></div>

Application Type	-----	Kitchen and Bath
Colour	-----	Clear
Material	-----	100% Silicone
Volume	-----	300 ml

### Product Description

Work Zone 100% Silicone Sealant is a multi purpose single component, RTV silicone rubber sealant designed to seal nonporous surfaces on interior and exterior applications. It is long lasting, and forms a weatherproof & watertight seal which remains permanently flexible, and will not shrink, crack, crumble or dry out. The sealant has good resistance to weathering, vibration, moisture, ozone and extreme temperatures. It may be applied in subzero weather without loss of extrusion or physical property characteristics and is effective from -62°C to 204°C. It is easy to apply, finger smoothable, and non-flammable.

### Product Advantages

- Stays flexible, won't crack or peel.
- Water-Resistant Seal
- Excellent Adhesion
- 40 year expected lifetime.



## Technical Documents

### Work Zone 100% Silicone Sealant

### TECHNICAL DATA SHEET

5

#### 1. PRODUCT NAME

Work Zone 100% Silicone Sealant

#### 2. MANUFACTURER

ICB Products,  
75 Chambers Drive, Unit 9,  
Ajax, Ontario, L1Z 1E1.  
Phone: (905) 619-0115  
FAX: (905) 619-6583

#### 3. PRODUCT DESCRIPTION

Work Zone 100% Silicone Sealant is a multi purpose single component, RTV silicone rubber sealant designed to seal nonporous surfaces on interior and exterior applications. It is long lasting, and forms a weatherproof & watertight seal which remains permanently flexible, and will not shrink, crack, crumble or dry out. The sealant has good resistance to weathering, vibration, moisture, ozone and extreme temperatures. It may be applied in subzero weather without loss of extrusion or physical



property characteristics and is effective from -62°C to 204°C. It is easy to apply, finger smoothable, and non-flammable.

**Basic Use:** Recommended to seal nonporous surfaces around windows, doors, siding, gutters, vents, and more. Also use it for boats, cars, and more on windshields, fittings, and more. Great for use as an adhesive for fastening small accessories, fittings, repairing loose tiles, and more. Adheres to most nonporous surfaces, including clean metal, glass, most types of wood, silicone resin, vulcanized silicone rubber, ceramic, natural and synthetic fiber, painted surfaces, many plastic surfaces, and more.

**Composition and Materials:** Work Zone 100% Silicone Sealant is a 100% silicone polymer with no organic fillers.

**Colours available:** clear, white, bone, almond, brown, dark brown/bronze, gray, pewter, aluminum, black. Custom colors also available.

**Sizes:** 300 ml cartridges, 18.9 litre pails, and 200 litre drums.

**Grade:** gun grade, nonsagging.

**Limitations:** Not recommended for continuous water immersion, or where abrasion and physical abuse are encountered. Do not apply to porous surfaces, such as masonry, or on building materials that bleed oils or solvents, such as certain impregnated woods and certain partially vulcanized rubber gaskets, tapes or adhesives. Do not use in totally confined spaces, because the sealant needs atmospheric moisture to cure. Do not use in aquariums as the bio agents in the sealant may be toxic in solution. Paint does not adhere well to silicone. Before product application, user should

determine suitability of 100% Silicone for intended use.

#### 4. TECHNICAL DATA

**Applicable Standards:** Work Zone 100% Silicone Sealant passes the performance requirements of the following specifications:

- CGSB CAN2-19.13-M87. Canadian standard for silicone sealants.
- TT-S-00230c (Class A), Type II. US federal spec for sealants.
- ASTM C 920 with the exception of glass adhesion through UV exposure.
- TT-S-1543A. US Federal specification for silicone sealing compounds.
- FDA Regulation No.21 CFR177.2600.

**Weight** - 1.03 Kg/litre (8.32 Lb./gal.)

**Shelf life** - 2+ years

**Skin Time** - 10-20 minutes under normal conditions

**Cure Time** - 24 hours

**Paintability** - not recommended

**Resistance to dirt pickup** - Very good

**Flash point** - N/A

**pH** - not determined

**Odour** - moderate acetic acid (vinegar smell)

**Freeze-thaw stability** - stable

**Storage temperature** - unaffected by temperature, but +5°C to 37°C (40°F to 100°F) is recommended

#### 5. INSTALLATION

**Joints:** Maximum joint size recommended is 13mm (1/2").

**Surface Preparation:** Thoroughly clean and degrease all surfaces. Then rinse all surfaces, except plastic, with acetone. Rubber surfaces should be roughened with sandpaper, then wiped with acetone.

View this product online at <https://marathonhardware.com/pd/045-3301>



## Technical Documents

### MATERIAL SAFETY DATA SHEET

Product Name: Work Zone 100% Silicone Sealant - Clear, translucent white, white, gray, pewter, aluminum, bone, almond, brown, dark brown/bronze, black.  
Product Code: Series 030

#### Section I - Company Information

Date Prepared: January 1, 2015

**5**

Company:	ICB Products 75 Chambers Drive, Unit 9 Ajax, Ontario, L1Z 1E1 Canada	Information Tel. No. (905) 619-0115 Emergency Tel. No. (905) 619-0115
----------	---	--

Generic Description:	Silicone elastomer.
WHMIS Classification:	Class D, Division 2, Subdivision A. Class D, Division 2, Subdivision B.
Material usage:	Sealant and Adhesive.

#### Section II - Hazardous Chemical Ingredients/Identity Information

<u>Ingredient</u>	<u>%</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Methyltri-acetoxysilane	1-5	004253343	See acetic acid comments. LC50: Not available. LD50: 2060 mg/kg Oral Rat.
Silica, Amorphous	10-30	007631869	Observe particulate limits. OSHA PEL: TWA 15 mg/m <sup>3</sup> total dust, 5 mg/m <sup>3</sup> respirable fraction. ACGIH TLV:TWA 10 mg/m <sup>3</sup> inhalable particulate, 3 mg/m <sup>3</sup> respirable particulate. LC50: Not Available. LD50: 3160 mg/kg Oral Rat.
Ethyltri-acetoxysilane	1-5	017689779	See acetic acid comments. LC50: Not Available. LD50: Not Available.
Octamethylcyclotetra-siloxane	0.1-1.0	000556672	Vendors guide: TWA 10 ppm. See section 11 comments. LC50: Not available. LD50: Not available.

Comments: Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 PPM and ACGIH TLV: TWA 10 PPM, STEL 15 PPM.

#### Section III - Hazards Identification

##### EMERGENCY OVERVIEW

Colourless or coloured paste. Acetic acid odour. Water, moisture, or humid air can cause hazardous vapours to form as described in Section 2. Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 PPM and ACGIH TLV: TWA 10 PPM, STEL 15 PPM.

##### POTENTIAL HEALTH EFFECTS

##### Acute Effects

Eye:	Direct contact may cause moderate irritation.
Skin:	May cause moderate irritation.
Inhalation:	Vapour overexposure may irritate eyes, nose and throat.
Oral:	Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

ICB Products

*Work Zone 100% Silicone Sealant  
Clear, Translucent White, White, Gray, Pewter, Aluminum, Bone, Almond, Brown, Dark Brown/Bronze, Black*

View this product online at <https://marathonhardware.com/pd/045-3301>

