



## "UNIVERSAL SILICONE"

### GENERAL DESCRIPTION

Exterior or interior multipurpose, one-part moisture curing silicone sealant.

### INTENDED USES

Used to seal joints between two perpendicular or juxtaposed surfaces subject to thermal movement, around door and window frames, sidings, and glass in window frames.

The performances of **"UNIVERSAL SILICONE"** as well as its easy use make it an ideal choice for numerous utilizations. Can be used to glue some car fixtures or metal domestic appliances.

### REMARKS:

- Cannot be painted;
- Do not use on bare wood or concrete, stainless steel, bare aluminum, copper, brass, plexiglass, galvanized metal or other alloys containing zinc or magnesium;
- Do not use on floor joints where abrasion will occur;
- Does not withstand immersion (tank).

### ADVANTAGES

- ⇒ Can be applied on vertical, horizontal or overhanging surfaces without subsiding or sagging.
- ⇒ Sticks on glass, fibreglass, silicone or ceramic surfaces.
- ⇒ Excellent resistance to weathering, chemical pollutants, vibrations, humidity, ozone and temperature changes.
- ⇒ Room temperature vulcanisation (RTV).
- ⇒ Remains flexible with a permanent elasticity.
- ⇒ Can be applied within a temperature range of -20°C ( 4°F) to 50°C (122°F).
- ⇒ Allows joint movement up to ± 25% of the original joint width.

### STORAGE AND APPLICATION TEMPERATURE

**"UNIVERSAL SILICONE"** does not deteriorate below freezing point. Anyhow, it is recommended to store it in a dry place where the temperature is between 5°C (40°F) and 30°C (86°F). Under these conditions, the sealed cartridges could be preserved for 12 months from date of purchase.

**"UNIVERSAL SILICONE"** can be applied either in winter or in summer at a temperature between -20°C (-4°F) and 50°C (122°F). Cold temperatures will slow down the curing time.

### SURFACE PREPARATION

There must be a free space between the two materials to permit their dimensional variations. Once applied, the sealant caulks the aperture. It will get compressed or stretched out depending on the movement of the materials.

To determine the size of the joint, one must take into consideration the expansion or the contraction the materials will be subjected to with humidity and temperature variations. It must also be noted that some materials have greater dimensional variations than others. If possible, apply **"UNIVERSAL SILICONE"** whenever the size of the aperture between the materials is in-between.

When the joint covers an aperture of 6 mm (1/4 in.) or larger, the joint must be sustained by a polyethylene backing rod. The diameter of the backing rod must be approximately 3 mm (1/8 in.) wider than the width of the joint to permit compression.

If an old sealant or putty is present, it must be removed. The surface must be in a seemingly new, firm, dry and clean state. It must also be free of creosote, oil, grease, wax, asphalt or bitumen based product (coating, adhesive, etc.), rust, any loose or foreign material.

If the application of **"UNIVERSAL SILICONE"** is to be made at a temperature lower than 5°C (40°F), the surface must be at a temperature at least 3°C (5°F) higher than dew point. The surfaces must be free of frost or ice.



### RECOMMENDED PRIMER

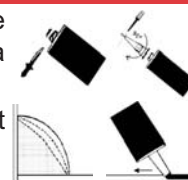
**"UNIVERSAL SILICONE"** does not generally require priming on specified surfaces.

## DIRECTIONS FOR USE

Cut the screwed end of the cartridge, but keep the threads to screw the nozzle. Cut the nozzle of the cartridge at right angle (90°), a little wider than the width of the desired joint. Use a caulking gun and apply with a uniform and adequate pressure so as to give the joint a flat or a convex form.

During the extrusion of **"UNIVERSAL SILICONE"**, the angle between the gun and the joint to be made must be approximately 45°. Pull the tip of the gun away from the joint, as illustrated.

Make sure the sealant comes into contact with each surface on a width of at least 3 mm (1/8 in.). If tooling is necessary, it must be done immediately as surface will skin within 10 minutes.



## PRECAUTIONS AND SAFETY MEASURES

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet (SDS). For workplace use, an SDS are available from your retailer, through our website or by calling 1 800 463-7426.

Use only in well-ventilated area. Keep containers tightly closed and sealed until ready for use.

CONTENTS MAY BE HARMFUL. MAY IRRITATE EYES. MAY IRRITATE SKIN. Do not swallow. Do not get in eyes. Do not get on skin or clothing. Keep out of reach of children. Wear protective gloves and eye/face protection: Chemical splash goggles. Use chemical-resistant, impervious gloves.

**FIRST AID TREATMENT:** If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

Emergency spill information: 1-514-645-1320 or 1-800-463-7426.

## COVERAGE

Linear metres per 300 mL cartridge:						
Depth (mm)	6	8	10	12	14	16
Width (mm) 6	11	8	6.4	5.3	4.5	4
8	8	6	4.8	4	3.4	3
10	6.4	4.8	3.8	3.2	2.7	2.4
12	5.3	4	3.2	2.7	2.3	2

Linear feet per 300 mL cartridge:					
Depth (in.)	1/4	3/8	1/2	5/8	
Width (in.) 1/4	31	20.7	15.5	12.4	
3/8	20.7	13.8	10.3	8.3	
1/2	15.5	10.3	7.7	6.2	
5/8	12.4	8.3	6.2	5	

**PRODUCT DATA**

<b>PRODUCT TYPE:</b>	Multipurpose, architectural one component moisture curing silicone sealant.		
<b>GENERAL APPEARANCE:</b>	Thixotropic and homogeneous paste, free of lumps and easy to extrude.		
<b>COLOURS:</b>	Clear (111 000) & White (111 010)		
<b>FREEZE-THAW STABILITY:</b>	<b>"UNIVERSAL SILICONE"</b> will not be damaged by the frost.		
<b>CLEANING AGENT</b>	<b>(before drying):</b>	Use mineral spirits before <b>"UNIVERSAL SILICONE"</b> dries and hardens.	
	<b>dry product):</b>	Use a putty knife and a silicone stripper.	
	<b>(skin contact):</b>	As soon as possible, wash with mineral oil, then wash carefully with soapy water, and rinse.	
<b>APPLICATION METHOD:</b>	Caulking gun.		
<b>APPLICATION SURFACE:</b>	Indoor and outdoor, vertical or horizontal joints.		
<b>PERMISSIBLE TEMPERATURES DURING THE APPLICATION:</b>	Product:	- 20 to 50°C (- 4 to 122°F);	
	Surface:	- 20 to 50°C (- 4 to 122°F).	
<b>MINIMUM SIZE:</b>	Width and depth:	6 mm (1/4 in).	
<b>MAXIMUM SIZE:</b>	Width:	25 mm (1 in);	
	Depth:	10 mm (3/8 in).	
<b>STANDARDS:</b>	ASTM C-920 Type S, Grade NS, Class 25 Use NT, G, A, O		
<b>TACK FREE TIME:</b>	10 minutes.		
<b>INITIAL SETTING TIME:</b>	For 3 mm thickness: 24 hours at 25°C (77°F) and 50% relative humidity.		
<b>COMPLETE SETTING TIME:</b>	3 mm thickness per 24 hours at 25°C (77°F) and 50% relative humidity.		
<b>SERVICE TEMPERATURE:</b>			Minimum: - 60°C (- 75°F); Maximum: 232°C (450°F).
<b>HARDNESS (SHORE A):</b>	ASTM C661:	25.	
<b>TENSION STRENGTH:</b>	ASTM D412:	2.4 MPA (350 psi).	
<b>DENSITY:</b>	1,0 kg/L		
<b>FLAMMABILITY:</b>	At application:	non-flammable under normal conditions of use.	
	Dry:	non-flammable.	
<b>FLASH POINT:</b>	Over 93 °C (200 °F)		
<b>DISPOSAL:</b>	Consult your municipality in order to dispose of paint residues according to environmental regulations. Do not pour down a drain or storm sewer.		
*Product data calculated on product 111 010.			

**LIMITATIONS OF USE**

The drying time of **"UNIVERSAL SILICONE"** depends on temperature, relative humidity and ventilation. The chemical reaction that takes place when the **"UNIVERSAL SILICONE"** is exposed to humidity emits acetic acid vapours (vinegar odour) causing it to polymerise (dry).

Do not use on frozen or damp surfaces.

Do not apply on substrates that contain lime.

Does not adhere to polyethylene, polypropylene, recycled plastic, Teflon or other comparable materials.

On plastics, an adhesion test should be conducted by the user to confirm that the adhesion of the product is sufficient.

Make sure the joint variation does not exceed the **"UNIVERSAL SILICONE"** elasticity.

The shelf life is diminished by warehousing over 25°C (77°F).

Adhesion on material not specifically mentioned cannot be guaranteed. It is up to the customer to make his own performance tests or to consult our technical department.

**LIMITED WARRANTY**

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