



**chemtron**  
manufacturing ltd.

home  
about  
our products ■  
order online  
contact us  
search

[previous](#)   [more products](#)   [next](#)

## MULTISEAL - (SILICONE SEALANT)

Conforms to CGSB19-GP-9M, CAN2-19,13-M82, TT-S-001543A

### PRODUCT

**BASE USE:** Multiseal sealant is especially designed for joining and sealing a variety of structural materials (glass, aluminum, metal alloys, stainless steel, plastics and wood). It will seal curtain wall joints, multipane windows, mullion points, steel and aluminum windows, glass partitions, windows and skylights. Indoor uses include bath tubs, showers and sanitary installations (Multiseal white only).

**LIMITATIONS:** Multiseal sealant is not recommended for concrete expansion joints, horizontal deck, patio, driveway or swimming pool joints. Multiseal sealant is not recommended for use with building materials that may bleed oil or solvents. Certain structural and channel gaskets are made so that non-adhesion is possible. Tests must be performed prior to use on rubber gaskets. In general, all sealant that has failed should be removed before Multiseal silicone is applied.

**COMPOSITION AND MATERIAL:** Multiseal sealant is a silicone elastomer with a toothpaste-like consistency. It can be squeezed into a joint and rapidly cures to give a durable seal.

**PACKAGING:** Multiseal silicone sealant is packaged in 300 ml high density polyethylene cartridges:

30 cartridges per carton.

**PRIMERS:** Are available for various substrates. For specific recommendations call the manufacturer.

**COLORS:** Multiseal silicone sealant is available in clear, white, black, aluminum, almond, beige, red and translucent.

### TECHNICAL DATA

#### A. TYPICAL PHYSICAL PROPERTIES:

The following results were obtained from a 2mm thick film of fully cured Multiseal:

Shore Hardness A	26
Tensile Strength: lbs/in <sup>2</sup>	426
Elongation at Break, %	600
Elasticity Modulus @ 100%: lb/in <sup>2</sup>	72.5
Tear Strength:	
LB/in	47
Consistency	Non-Flowing
Specific Gravity at 25° C (77° F)	1.05

*B. JOINT PROPERTIES:*

1. Glass: The following properties were obtained from American Standard Association type..... glass/glass: test piece (12.5 x 12.5 x 50 mm).

Tensile Strength:

lbs/in <sup>2</sup>	230
Elongation at Break, %	250

2. Aluminum: The following properties were obtained from American Standard type aluminum: test piece size (12.5 x 12.5 x 50 mm).

Tensile Strength:

lbs/in <sup>2</sup>	170
Elongation at Break, %	270

*C. AGING CHARACTERISTICS OF MULTISEAL SEALANT:*

The following results were obtained from 2 mm films of Multiseal:

1. 4 Year Exposure to Environmental Conditions:

Shore Hardness A	28
------------------	----

Tensile Strength:

lbs/in <sup>2</sup>	400
Elongation, %	560

2. 90 Day Accelerated Ultra Violet Aging:

Shore Hardness :38

Tensile Strength:

lbs/in <sup>2</sup>	415
Elongation, %	425

3. Temperature Resistance:

In addition to ozone and UV resistance, Multiseal also has excellent resistance to temperature extremes - 80° F (-62° C) to + 350° F (+ 177° C).

4. Salt Water Resistance:

Multiseal is virtually unaffected by exposure to sea-fog.

5. Mold Resistance:

Multiseal sealant white offers excellent resistance to mold growth.

6. Resistance to Acids and Bases:

Multiseal sealant exhibits good resistance to diluted bases and acids (with the exception of hydrochloric acid).

*D. APPLICATION:*

Multiseal sealant may be applied on most common substrates. Multiseal is not recommended for use with weathering steel.

Application Techniques	Caulking Cartridge
Application Temperature	0° to +150° F (-18° to 66° C)
Cure Time	1/4" (6mm) 4 days 70° to (21° C) and 50% relative humidity
Shelf Life	6 months minimum. DO NOT STORE ABOVE 32° C (90° F).

INSTALLATION

PREPARATORY WORK:

All surfaces should be clean, dry and free of any contamination. Surfaces should be primed with manufacturer's recommended primer. The sealant should be applied directly from the cartridges. It may be applied at temperatures of as low as 0° F (-18° C) if surfaces are dry and frost-free.

Joint width should not be less than three times the lateral movement expected and never less than 1/8" (3mm), standard width usually being 1/2" (13mm). The depth should not be less than 1/8" and is generally equal to the width. For wide joints it can't exceed half the width.

METHODS:

Apply Multiseal sealant with hand gun or pressure equipment according to manufacturers instructions.

CAUTION:

On contact, unhardened sealant irritates eyes. If accidentally wiped in eyes, flush eyes with water, consult physician. Avoid prolonged skin contact and keep away from children.

MAINTENANCE:

No maintenance should be needed. If silicone sealant becomes damaged, replace damaged portion. Clean surfaces in damaged area, and repair with fresh silicone sealant.

WARRANTY, RECOMMENDATIONS FOR USE OF THIS PRODUCT ARE BASED ON RELIABLE TESTS, SINCE DESIGN AND CONDITIONS OF INSTALLATION ARE BEYOND OUR CONTROL. NO GUARANTEE OR APPLICATION IS IMPLIED. OUR LIABILITY FOR ANY DEFECT OF THE MATERIAL IS LIMITED TO REFUND OF THE PURCHASE PRICE ONLY.

