



# Zialoc 1085 - Butyl Mastic Tape

Zialoc 1085 Butyl Mastic Tape is 100% solid, non-hardening, non-skinning, permanently tacky performed sealant formulated to the appropriate standards for nonstructural metal to metal sealing and for sealing and bedding glass into wood, vinyl and aluminum sash. The sealant is furnished on release paper rolls. The sealant is based on polyisobutylene and a cross-linked butyl blend, formulated specifically for easy installation on substrates at temperatures as low as -40°F (-40°C). It is designed to create a long lasting, flexible weather seal between the two similar or dissimilar surfaces which will be subjected to normal expansion/contraction and wind loading force. It is used as an exterior primary spacing and glazing seal when installing glass into a window sash. Formulated to pass AAMA Spec. 807.3 for glazing tapes to be used with architectural aluminum.

## Product Characteristics

TEST	PERFORMANCE	METHOD
Specific Gravity	1.57 –1.59 g/ml (depending on color)	ASTM C-771
Tensile Strength	15 lb./sq. in. @ 77°F (25°C)	ASTM D-412, cohesive failure
Cone Penetration	11 mm (110 points) @ 77°F (25°C)	ASTM D-217.
Elongation	1000% @ 77°F (25°C)	ASTM C-908
Sag	0.4 mm (1/64") @ 140°F (60°C)	after 24 hours
Low Temperature Flexibility	Passed, 1" diameter mandrel @-40°F (-40°C)	AAMA 807.3, 1.2.4.6
Vehicle Migration	Pass	AAMA 807.3, 1.2.4.5
Weathering	No effect -through Glass Minor discoloration -Direct	1,800 hours of QUV exposure, UVA 340 Bulbs
Water Resistance	Pass	AAMA 807.3, 1.2.4.7
Hardness	49–57 Shore OO 77°F (25°C)	AAMA 807.3, 1.2.4.2
Visual Screening	Pass	AAMA 807.3, 1.2.4.1
Volatile Organic Content (VOC)	0 gr/lt	ASTM D2369

It is recommended that sealants not be applied below 40°F (4.4°C) unless care is taken to be sure that the surface the sealant is installed on, is free of all moisture, frost and contaminants. The upper limit of temperature for installation should not exceed 95°F (35°C).

### Uses:

- Exterior primary spacing and glazing seal when installing glass into a window sash
- Bath and tub liners
- Noise dampener

### Benefits:

- Non-skinning, permanently tacky
- High strength and modulus



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## Safety Precautions

FOR INDUSTRIAL USE ONLY. Please read all Installation and application data before use. To be used by professionally trained personnel using proper safety equipment. Wash hands thoroughly with soap and water after handling the sealant. Please refer to material safety data sheets.

## Installation Data -Preparation

1. All joint and sealing surfaces shall be inspected prior to applying the sealant.
2. Surfaces that will contact the tape shall be properly cleaned prior to application of the sealant.
3. All units to be glazed shall be checked prior to glazing to be sure that the opening is square, plumb and secure to insure uniform face and edge clearances. Butt and miter joints shall be inspected and if found to be open, they shall be sealed prior to glazing.

## Application

1. Install tape so the edge is approximately 0.8 mm (1/32") below the sight line of the stop.
2. If the butt joints in the sash are in a vertical direction, the tape shall be installed across the head and sill members first in order that the sealant tapes goes directly over the joint. Should the butt joints in the sash run in a horizontal direction, the sealant tape shall be applied to the jambs so that it crosses directly over the joint. Do not run one continuous length of sealant tape around all four sides of sash. Do not lap the adjoining lengths of sealant tape as this practice will prevent full contact between the sealant tape and the glass causing a leakage problem.
3. Each length of tape shall butt the adjoining tape and be united to each other to eliminate any opening. Each tape joint should have a compatible sealant applied in order to ensure a maximum seal.
4. Remove backing paper from tape just prior to installation of the glass.
5. Setting blocks of 70 to 90 Shore "A" hardness shall be placed on the sill member of the sash, two per sill, at quarter points. On 180 pivotal sash, setting blocks shall be used and placed as recommended by the Sash Manufacturer.
6. The glass shall be set on the setting blocks, centered in the opening and then firmly pressed against the tape.
7. Lites of glass or panels requiring shims or spacers of neoprene 40 to 60 Shore "A" Hardness will have spacers every 46 -61 cm, (18 -24 inches), and 6 mm (1/4 inch) below the sight line.
8. A water test should be conducted throughout the job to ensure a good seal is being achieved.

## Restrictions

Zialoc 1085 is not designed to be used to seal joints subjected to water immersion for prolonged periods of time or to temperatures in excess of 212°F (100°C). Compatibility tests should be carried out when it is used in conjunction with sealants other than Cloverdale Sealants.

## Contents

Polyisobutylene and a cross-linked butyl composition, no shrinkage.



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## Temperature Range

**Service:** -40°F (-40°C) to 212°F (100°C)

**Application:** -40°F (-40°C) to 176°F (80°C)

Good Adhesion to metal from -40°F (-40°C)-176°F (80°C), non-corrosive to metal.

## Size Tolerances

**Tape width:**  $\pm 0.8$  mm ( $\pm 1/32$ " )

**Tape thickness:**  $\pm 0.8$  mm ( $\pm 1/32$ " )

## Life Expectancy

20 years

## Colors

Black, Grey, White

## Storage

Store in original containers at normal temperatures away from sources of ignition.

## Shelf Life

Over 2 years when stored below 80°F (27°C).