



# Zialoc 1064 - Butyl Mastic Tape

Zialoc 1064 is a 100% solids, non-hardening, non-skinning, permanently tacky preformed sealant formulated to the appropriate standards for window glazing operations. The sealant is compounded for use with glass, painted and unpainted architectural aluminum and air-dried, treated wood. Zialoc 1064 Butyl Mastic Tape is essentially compounded for limited structural strength glazing accommodating expansion and contraction. The sealant is elastic, completely cured and deformable under pressure (compressible) with excellent recovery characteristics and pumpingout resistance. It is intended to remain elastic indefinitely and to prevent air infiltration and water leakage. Passes AAMA specification 807.3 for Back Bedding Mastic Type Glazing Tape.

## Performance Characteristics

TEST	PERFORMANCE	METHOD
Specific Gravity	1.55 – 1.57 g/ml (depending on color)	ASTM D-792
Tensile Strength	17 lb./sq. in. @ 77°F (25°C)	ASTM D-412, cohesive failure
Cone Penetration	9 mm (90 points) @ 77°F (25°C)	ASTM D-217
Elongation	600% @ 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	61 – 69 Shore OO 77°F (25°C)	AAMA 807.3, 1.2.4.2
Visual Screening	Pass	AAMA 807.3, 1.2.4.1

## Meets AAMA 800-10 specifications 804.3-16 & 807.3-16

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 122°F (50°C).

### Benefits:

- Non-skinning, permanently tacky
- Excellent pump out resistance

### Uses:

- Glass Installation
- Standard window installation

## 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.



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## 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 below 75 inches (190 cm) length plus width, generally do not require Shims or spacers. Above 75 inches (190 cm), shims or spacers of neoprene 40 to 60 Shore "A" Hardness shall be placed every 46 cm to 61 cm (18 to 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 1064 is not designed to be used to seal joints subjected to water immersion for prolonged periods of time or to temperatures in excess of 200°F (93°C). Although this sealant is generally compatible with most other sealants, compatibility tests should be carried out where it is used in conjunction with sealants other than Cloverdale Sealants. Some wood preservative may adversely affect adhesion.



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## Contents

Polyisobutylene and a cross-linked butyl composition, no shrinkage

## Temperature Range

**Service:** -40°F (-40°C) to 200°F (93°C)

**Application:** 40°F (4.4°C) to 122°F (+50°C)

## Size Tolerances

**Tape width:** ±0.8 mm (±1/32")

**Tape thickness:** ±0.8 mm (±1/32")

## Colors

Black, Grey, Buff and Bronze

## Life Expectancy

In excess of 20 years

## 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).