



PRODUCT SPECIFICATION PREMIUM GRADE PRE-FORMED BUTYL TAPE 1085

DESCRIPTION AND BASIC USES: Premium is 100% solid, nonhardening, nonskinning & 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 -20°C (-4°F). 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., 807.1-85 for glazing tapes to be used with architectural aluminum.

RESTRICTIONS: Premium Grade is not designed to be used to seal joints subjected to water immersion for prolonged periods of time or to temperatures in excess of 90°C (194°F). Compatibility tests should be carried out when it is used in conjunction with sealants other than Premium Grade.

Shelf Life

Over 2 years when storage temperature is kept below 27°C (80°F).

Temperature Range

Service: -40°C (-40°F) to 90°C (194°F)

Application: -20°C (-4°F) to 35°C (95°F)

It is recommended that sealants not be applied below 4.4°C (40°F) 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 35°C (95°F).

Content

100% solids, polyisobutylene and a cross-linked butyl composition, no shrinkage.

Life Expectancy: 20 years.

Manufacturing Size Tolerances

Tape width: $\pm 1/32''$ ($\pm 0.8\text{mm}$),

Tape thickness: $\pm 1/32''$ ($\pm 0.8\text{mm}$)

Colors: Grey and Black

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 $1/32''$, (0.8mm) below the sight line of the stop.

Application Continued

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 an 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 70-90 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 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 18 to 24 inches, (46 cm to 61 cm), and $1/4$ inch (6 mm) below the sight line.
8. A water test should be conducted throughout the job in accordance with AAMA FC-1-76 to ensure a good seal is being achieved.

Storage

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

Precautions

Wash hands thoroughly with soap and water after handling the sealant.



PRODUCT SPECIFICATION
PREMIUM GRADE PRE-FORMED
BUTYL TAPE

Description Standard Size		Feet/Roll	Rolls/Case	Feet/Case	Paper & Core Size
1/16 x 3/8	x	50	30	1500	1/2 inch
1/16 x 1/2	x	50	24	1200	5/8 inch
1/8 x 3/8	x	30	30	900	1/2 inch
1/8 x 1/2	x	30	24	720	5/8 inch
1/16 x 1/4	x	50	30	1500	2/8 inch
1/8 x 1/4	x	30	30	900	1/2 inch
1/4 x 1/4	x	30	25	750	1/2 inch
1/8" round	x	30	30	900	1/2 inch
3/16 x 3/8	x	30	24	480	1/2 inch
3/16 x 1/2	x	20	20	400	5/8 inch
1/2 x 3/4	x	22.5	6	135	1.5 inch
1/2" round	x	15	12	180	1.07 inch
1/4 x 1/2	x	30	18	540	3/4 inch

PERFORMANCE CHARACTERISTICS

- Tensile Strength** 15 lb./sq. in. @ 25° C (ASTM D-412 cohesive separation)
- Cone Penetration** 11 mm @ 23° C (73°F) or 110 points, ASTM D-217
- Elongation** 700% @ 25° C (77°F)
- Sag** 0.4 mm (1/64" at 60° C (140°F) (AAMA 807.1-85)) after 24 hrs.
- Low Temperature** Passed 1" dia. mandrel @ -40°C (-40°F)
- Flexibility** Passed, no exudation after 24 hours @ 105° C (221°F)
- Fluid Migration** AAMA 807.1, 1.2.4.7 no breakdown, voids, cracks nor separation.
- Weathering** Minor discoloration upon approximately 1,800 hours of direct sunlamp exposure. No discoloration when exposed through glass.
- Force to Compress** 54 lb./sq. in. @ 25°C (77°F)
- Water Resistance** Passes AAMA 807.1-85. No presence of voids, cracks, separation or breakdown of the tape.