



TECHNICAL DATA

PRODUCT CODE

124 XXO

Technical data # 20060531

«BUTYL»

DESCRIPTION

Butyl rubber architectural one component sealing compound for exterior multipurpose.

Dries by solvent evaporation.

INTENDED USES

Used to seal outdoor joints between two perpendicular surfaces subject to thermal movements. For sealing joints around door and window frames, sidings. Good adhesion on many surfaces such as natural, painted or anodized aluminum, painted or stained wood, concrete or masonry.

“BUTYL” can be used as bedding secondary seals or hidden joint.

REMARKS: → Not to be used on insulating panels or plastic materials which can be affected by solvents;

→ Does not withstand immersion (tanks) or abrasion (foot traffic).

ADVANTAGES

- ⇒ No mixing or primer required.
- ⇒ No staining of surrounding surfaces.
- ⇒ Can be applied on vertical or horizontal, overhanging surfaces without subsiding or sagging.
- ⇒ Remains flexible even at lower temperature.
- ⇒ Withstands weathering.
- ⇒ Good ultraviolet resistance.
- ⇒ Compatible with Preserved Wood Foundation (PWF) requirements.
- ⇒ Allows a joint movement up to $\pm 15\%$ of the original width.
- ⇒ Does not require painting, however it can be painted over 24 hours after application (latex paint).

STORAGE AND APPLICATION TEMPERATURE

“BUTYL” does not deteriorate below freezing point. Anyhow, since its viscosity increases when the temperature drops down, it is recommended to store it in a dry place of which the temperature is between 5°C (40°F) and 30°C (86°F) to make its use possible. Thus, the sealed cartridges could be preserved for 2 years.

“BUTYL” can be applied either in winter or in summer at a temperature between -20°C (-4°F) and 30°C (86°F).

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 the temperature or humidity variations. It must also be noted that some materials have greater dimensional variations than others do.

If possible, apply “BUTYL” whenever the size of the aperture between the materials is in-between.

When the joints covers an aperture of 6 mm (1/4 in.) or larger, the joint must be sustained by a backing rod in polyethylene. 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 the application of “BUTYL” 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.

New metal and solvent resistant oily surfaces must be washed with acetone and dried up. Scrape rusty metal with a metal brush.

Concrete and masonry must be scraped with a metallic brush so as to get a sound, firm, clean, stainless surface.

If an old sealant or putty is present, they must be taken off. The surface must be in a seemingly new, firm and clean state. It must also be free of creosote, oil, grease, wax, silicone or silicone based product or asphalt or bitumen based product (coating, adhesive and so on), rust, any loose or foreign material or any material soluble in solvents.

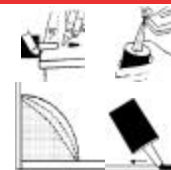
REQUIRED PRIMER

«BUTYL» generally does not require priming on most building materials surfaces as: steel, galvanized steel, natural, painted or anodized aluminum, concrete (28 days old), fibreglass, masonry, painted or stained surfaces including wood and many common building materials.



APPLICATION

Cut the nozzle of the cartridge at right angle (90°), a little narrower than the width of the desired joint. Pierce the aluminum patch sealing the cartridge inside the nozzle. Use a caulking gun and apply with a uniform and adequate pressure so as to give the joint a convex form. The «BUTYL» application must not be smoothed or formed to avoid tensions in the product during the drying period. During the extrusion of «BUTYL», the angle in-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 of the surfaces on a width at least 3 mm (1/8 in.).

COVERAGE

Linear meters per cartridge:							Linear feet per cartridge:				
Depth (mm)	6	8	10	12	14	16	Depth (in.)	1/4	3/8	1/2	5/8
Width (mm) 6	11	8	6,4	5,3	4,5	4	Width (in.) 1/4	31	20,7	15,5	12,4
8	8	6	4,8	4	3,4	3	3/8	20,7	13,8	10,3	8,3
10	6,4	4,8	3,8	3,2	2,7	2,4	1/2	15,5	10,3	7,7	6,2
12	5,3	4	3,2	2,7	2,3	2	5/8	12,4	8,3	6,2	5

TECHNICAL GUIDE

GENERAL APPEARANCE:	Homogeneous paste, free of lumps and easy to extrude.
COLOR:	Consult the color guide.
COMPOSITION:	Butyl rubber, synthetic resins (binder), titanium dioxide, color pigments, inert charges (pigments), solvents (volatile material) and other additives.
CLEANING AGENT (wet product)	Use mineral spirit.
CLEANING AGENT (dry product)	Use a putty knife and mineral spirits or another effective solvent; take care not to affect the other surfaces with too strong a solvent.
CLEANING AGENT (skin contact):	Wash with mineral oil, as soon as possible then wash with soapy water and rinse.
FLAMMABILITY:	At application: flammable; Dried: combustible.
FREEZE-THAW STABILITY:	«BUTYL» will not be damaged by the frost.
APPLICATION METHOD:	Caulking gun.
SURFACE APPLICATION:	Outdoor vertical or horizontal joints.
MINIMUM SIZE:	Width and depth 6 mm (1/4 in.).
MAXIMUM SIZE:	Width: 16 mm (5/8 in.); Depth: 10 mm (3/8 in.).
BLEEDING:	No staining.
VERTICAL JOINTS SAGGING:	CAN/CGSB-19.0-M77 method 7.1: inferior to 3 mm.
STANDARDS:	Associated to CGSB 19-GP-14M.
SERVICE TEMPERATURE:	Minimum: - 30°C (- 20°F); Maximum: 50°C (122°F).

RESTRICTIONS

Do not use on frozen surfaces. Make sure the joint variation does not exceed the «BUTYL» elasticity. When «BUTYL» is painted, the paint may crack if «BUTYL» supports a movement higher than the paint elasticity. The drying time of «BUTYL» depends on temperature, relative humidity and ventilation. The shelf life is diminished by warehousing over 25°C (77°F). Not for joints submerged in water for prolonged periods of time. Adhesion on materials not specifically mentioned cannot be guaranteed. It is up to the customer to make his own performance tests or to consult our technical department.

SAFETY PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Before using «BUTYL», read its material safety data sheet. Avoid using in areas where the solvents evaporating from «BUTYL» could affect food or any other product sensitive to odors or inside residences where sensitive people are present. If «BUTYL» is used indoors (factory), the area must be ventilated to the outdoors during application and drying time. «BUTYL» contains flammable solvents. Do not smoke when using the product. Work in good ventilation conditions. Do not recycle the air. Eliminate all sparks, flame or heat producing sources in or near the working area.

Disposal: consult your municipality to dispose in conformity with regulations.