

TECHNICAL DATA

GC2023 – POLYBUTYL BLACK QUICK SET BUTYL SEALANT

Description and Basic Uses

GC2023 Black Quick Set Butyl Sealant is a fast drying flexible compound formulated to seal against weather, moisture and dust. It also acts as a noise dampener between metal panels.

For general caulking and sealing of metal, wood and concrete joints, glazing of insulated glass window units, perimeter joints of window frames and door jambs and various curtain wall applications.

Performance Characteristics (Method of Testing: CAN 2-19.0-M77)

Property	Performance	Method
Tack Free Time	30 minutes @ 1/16" @ 77°F (25°C)	ASTM C-679 Method 2.1
Open Time	4 hours at 1/16" @ 77°F (25°C)	---
Extrudability-Gunnability	50 gram / 3 mm orifice 90 psi / <20 seconds	ASTM D-2452 Method 3.1
Slump-Sag Resistance	0 @ 158°F (70°C)	ASTM D-2202 Method 7.5
Hardness	Shore "A" 30	ASTM D-2240 Method 8.2
Bleeding-Staining	Pass	ASTM C-510 Method 9.2
Low Temperature Flexibility	1/4" mandrel 180/-30°C/1 second. Pass, no cracking or loss of adhesion	ASTM D-4338 Method 11.1
Tensile Extension	Pass	Method 14.1
Adhesion Peel Strength	1.22 kN/m (7.00 lb/in width)	ASTM C-794 Method 14.6
Crack Resistance	Pass	Method 19.2
% Volume Solids	65 +/- 2%	ASTM D-2697
VOC	2.26 lbs/gal or 271 grams/ litre	---
Specific Gravity	1.325 kg/lt	ASTM D-1475

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.

BENEFITS

- Fast drying
- Nonstaining sealant
- Excellent adhesion to metal, glass, concrete and wood surfaces
- Better adhesion and flexibility than conventional oil based or acrylic latex caulks over a wide temperature range
- Product is paintable

USES:

- chassis frame protection
- chassis perimeter sealing
- wheel housing sealing
- rivet seam line & rivet holes

TECHNICAL DATA

GC2023

Application

1. All surfaces must be dry and free of dust, grease, moisture, and other foreign matter.
2. Do not apply to surfaces below 40°F (4°C), to avoid moisture condensation on substrate.
3. Apply with conventional or pneumatic caulking gun or pneumatic ram dispensers. Nozzle size should match the width of the joint.
4. Application should be done in such a way that the sealant is forced into contact with the joint backing and the interfaces of the joint.

Joint Design

Minimum joint size: 6.4 x 6.4 mm (¼ x ¼ inch).
Maximum joint width: 12.7 mm (½ inch)

When depth is limited to 6.4 - 9.5 mm (¼ - 3/8 inch).

Deep joints should be packed to within 6.4 - 9.5 mm (¼ - 3/8 inch) of surface using closed cell, round polyethylene or other suitable joint backing that will not adhere to the sealant after curing.

Restrictions

Not to be used where:

1. Total joint movement exceeds 10% or
2. Joints will be submerged in water for prolonged periods of time.

Precautions

Combustible vapors, use in well ventilated area. Consult safety data sheet for additional information. This product contains petroleum distillates. Do not apply near open flame. Do not apply in areas that are not well ventilated. Do not ingest.

GC2023 Butyl Rubber Sealant has been proven to be safe material to handle when reasonable care is observed. Avoid repeated and/or prolonged contact with the skin, especially contact with open breaks in the skin, and ingestion.

Cleaning

Clean tools, caulking guns, excess sealant, and related material with mineral spirits.

Colors

Black; other colors available on request.

Packaging

18.9 litre pail, 200 litre drum or 300 ml cartridges

Storage

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

SHELF LIFE: 12 months stored at room temperature.

Application Standards

Meets or exceeds Canadian Government Specification: 19-GP-14M.

WARRANTY

Guertin Coatings and Sealants ("Guertin") warrants its products to be free of defects and manufactured to meet published physical properties when cured and tested according to CGSB, ASTM and Guertin standards. Under this warranty, we will replace any product free of charge or refund the purchase price of any product proven to be defective, when applied in accordance with our written instructions and in application recommended by us as suitable for this product. Guertin shall not be liable for any labor costs or consequential damages. All claims concerning product defects must be made within 12 months of shipment by Guertin. It shall be the sole responsibility of the user to determine the suitability of the Guertin product or material for each intended use and the user shall assume all risks and liability in connection with the use, or inability to use, the product or material. This warranty is in lieu of any and all other conditions or warranties expressed or implied