

TECHNICAL DATA

GS1053 – THERMOPLAST BACK BEDDING SEALANT

Description and Basic Uses

Formulated from a blend of age resistant resins to produce a highly adhesive flexible sealant, specifically developed for use as a bedding compound in non-structural architectural glazing. Formulated to produce 100% cohesive failure in peel adhesion tests on a variety of typical substrates. Contains spacers for controlled sealant thickness.

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

Property	Performance	Method
Tack Free Time	Maximum ½ hour @ 77°F (25°C)	Method 2.1
Sag/Slump Resistance	1/2" maximum No slump using a 10mm X 10 mm slump channel	Method 7.1
Extrudability	45 – 60 sec. @ 3 mm diameter. orifice	Method 3.2
Peel Adhesion, <i>Dry 100% CF</i> <i>Wet 100% CF</i>	>25 ± 2 lbs/in on glass, aluminum & wood >25 ± 2 lbs/in on glass, aluminum & wood	Method 14.6
Resistance to water penetration in Cleveland humidity cabinet	No evidence of water penetration under the beads after 240 hrs. exposure tests conducted on glass.	ASTM D2247
Low Temperature Flexibility	Passes 6mm diameter mandrel when bent at -15°F (-26°C).	Method 11.1
Bleeding	None	Method 9.2
Blistering	None	Method 18.2
Tensile-Compression	Pass	Method 14.4
Hardness, Shore A		ASTM D2247
<i>As cured</i>	20	
<i>Heat aged –2 weeks</i>	30 - 35	Method 14.7
AAMA 802.3 and 805.2 Performance	Pass sections 2.1.1, 2.2.1, 2.3.1 & 2.4.1 Test B	
VOC	2.45 lbs / gal or 294 grams / litre	

BENEFITS

- Excellent adhesion to a variety of porous and nonporous substrates such as glass, wood, metal, PVC, concrete and masonry.
- Highly resistant to the weathering effects of UV through glass, moisture and ozone.
- Cures tack-free in 30 minutes and develops a serviceable skin in 5 - 8 hours.
- Non-staining; will not bleed or migrate into a variety of chemically cured sealants.
- Withstands ± 40% joint movement highly elastic and permanently flexible.
- Full service cure develops in two weeks at 25°C outdoor exposure for a 3 mm thick bead.
- 20 Year Life Expectancy.

USES:

- Bedding compound

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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Application

1. Apply to a clean, dry surface free from dust, oil and grease. Clean dirty or protective coated surfaces by wiping with Xylene.
2. Cut nozzle tip to the desired diameter.
3. Puncture the inner seal of the cartridge.
4. Extrude the sealant, ensuring complete contact at the surface interface.
5. Lowest recommended application temperature is 40°F (4°C). If application of sealant is necessary below this temperature, care should be taken to ensure that the substrate is dry and free from frost and/or ice. Condition sealant at 40°F (4°C) or above before use for ease of application.

Joint Design

Minimum joint size: set by spacer size
Maximum joint width: 12.7 mm (½");

Equipment for Application

Apply with conventional or pneumatic caulking gun or pneumatic RAM dispensers.

Precautions

Use in well ventilated area. Consult safety data sheet for additional information. Wash hands thoroughly with soap and water after handling the sealant.

Cleaning

Clean tools and excess material immediately after use with an aromatic solvent.

Colors

Hazy Clear.

Packaging

18.9 litre pail, 200 litre drum and 300 ml cartridges.

Storage

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

SHELF LIFE: 12 months stored at room temperature.

Applicable Standards

Meets or exceeds cured sealant performance requirements of Canadian Government Standards

19-GP-5M, 19-GP-9M,
19-GP-13M, 19-GP-14M, 19-GP-16M, 19-GP-17M,
19-GP-18M, 19-GP-24M, 19-GP-25M, 19-GP-26M.

Methods of testing as per CAN 2-19.0-M77. Meets the requirements of Federal Specification TTS-00230C (U.S.) and AAMA 805.2-85.

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.