

TECHNICAL DATA

GS1010LM – THERMOPLAST LOW MODULUS ADHESIVE SEALANT

Description and Basic Uses

Formulated from a blend of polymers to produce a highly adhesive flexible sealant, specifically developed for use as a building joint sealant. Formulated to produce 100% cohesive failure in peel adhesion tests on a variety of typical substrates. For interior/exterior joints that have up to $\pm 40\%$ joint movement and may be periodically immersed in water. For use in sealing, caulking and glazing applications on substrates of glass, metal, concrete, wood, vinyl and masonry. Specifically recommended for perimeter caulking of windows, doors, panels, panel to panel joints, frames, toe, cap and heel beads and back bedding. Paintable with both latex and solvent borne coatings.

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 Resistance	¼" maximum	Method 7.1																		
Extrudability	28± 2 @ 3 mm diameter. orifice	Method 3.2																		
Weathering	No cracking, crazing or loss of adhesion	Method 17.1																		
Peel Adhesion, Dry 100% CF Wet 100% CF	>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 1" 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																		
As cured	35																			
Heat aged -2 weeks	40 - 45																			
After 2 weeks - sun	45 - 50																			
Peel Adhesion After 300 hours exposure to		Method 14.7																		
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Crack & bubbling resistance	No cracking, blistering or bubble formation	Method 14.2																		
VOC	2.22 lbs / gal or 266 grams / litre																			

Note: CF = cohesive failure

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

- 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 (both direct and through glass), moisture and ozone.
- Cures tack-free in 30 minutes and develops a serviceable skin in 5 - 8 hours.
- Paintable immediately after serviceable skin is formed.
- Nonstaining; will not bleed or migrate into a variety of chemically cured sealants.
- Withstands $\pm 40\%$ joint movement highly elastic and permanently flexible.
- Full service cure develops in two weeks at 25°C outdoor exposure for a 5 mm thick bead.
- 20 Year Life Expectancy.

USES:

- perimeter sealing and capping
- primary & secondary sealing
- small joint sealing
- insulation adhesive

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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: 6.4 x 6.4 mm (¼" x ¼")
Maximum joint width: 12.7 mm (½");
when depth is limited to 6.4 - 9.5 mm (¼" - 3/8").

Deep joints should be backed to within 6.4 - 9.5 mm (¼" - 3/8") of surface using closed cell, round polyethylene or other suitable joint backing.

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

White, Grey, Buff, Clear, Bronze and Ivory. (Other colors on request).

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.