CMC Select Non-Sag

Non-Sag Joint Sealant

Description

CMC Select Non-Sag is an elastic, low-modulus, one-component, moisture-curing, non-sag, polyurethane sealant. It maintains flexibility and waterproofing joint sealing with high bond strength and provides outstanding durability in the civil and industrial construction markets. The product requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry.

Uses

CMC Select Non-Sag has very good adhesion to most construction materials. It is particularly recommended for expansion joints between precast concrete panels and seams on wooden, aluminum, and PVC joinery. CMC Select Non-Sag is highly recommended for bonding concrete and baked clay roof tiles.

Features & Benefits

- Ready to use and easy to gun and tool/No mixing and speeds application.
- Low VOC content/Approved in all 50 states for use.
- +/- 35% joint movement capability/Maintains flexibility in moving joints.
- No primer required for most construction materials-Cost reduction.
- Maintains excellent weather resistance/Gives long lasting joint seal.
- Delivers a practical service temperature range/Can be used in all climates.
- Packaged in cartridges, sausages, and in bulk/Jobsite waste is reduced.
- Superior bonding/Long lasting baked clay roof tile application.

Available Colors

Limestone, Stone Gray, Tan, White, Black, and Bronzen

Packaging

10.1 oz. (300 mL) Cartridges (24/Carton)
20 oz. (592 mL) Sausages (20/Carton)
5 gal. (18.9 L) Pails
55 gal. (208.2 L) Drums

Technical Data

Consistency	Thixotropic
Specific Gravity @ 68°F (20°C)	1.27
Paint Compatibility	Water-based: Compatible Solvent-based: Check Compatibility
Skin Formation Time 74°F (23°C), 50% RH	60-90 minutes
Shore A Hardness	25-30
Sagging (ISO 7390)	None
Modulus at 100% Elongation (ISO 8339), MPa	0.3
Elongation at Break, %	800
Application Temperature	41° - 104° F (5° -40°C)
Service Temperature	-40° -176°F (-40 -80°C)
Substrate Staining	None
Resistance to Weathering	Excellent
UV Resistance	Good
Resistance to Diluted Acids and Bases	Medium
Salt Water Resistance	Excellent
VOC Content	102 g/L

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Shelf Life

When stored indoors and in original, unopened containers at temperatures between 41° - 104°F (5° - 40°C), shelf life is a minimum of one year from date of manufacture, except for pails and drums, which have a shelf life of six months.

Specifications

- ASTM C 920-11, Type S, Grade NS, Class 35, Use T1, T2, NT, O, M, G
- Federal Specification TT-S-00230C, Type II, Class A
- USDA compliant for use in meat and poultry areas
- ISO 11600-F-25LM
- Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, LADCO, SCAQMD, and OTC.

Coverage

This chart shows the approximate number of lineal feet that can be sealed per gallon. One gallon is approximately 11 cartridges.

Joint Depth	Joint Width						
	1/4" (6.4mm)	3/8" (9.5mm)	1/2" (12.7mm)	5/8" (15.9mm)	3/4" (19.1 mm)	7/8" (22.2 mm)	1" (25.4 mm)
1/4" (6.4mm)	308	205	154	122			
3/8" (9.5mm)				82	68	58	51
1/2" (12.7mm)					51	44	38

When estimating, figure 11 cartridges/gal. (3 cartridges/L). Cubic in./gal. - 231 (1,000 cm3) Cubic in./cartridge - 21 (344.13 cm3)

For triangular cross-section joints:
1/4" (6.35 mm) each side - 616 linear ft./gal. (49.6 m/L)
1/2" (12.7 mm) each side - 154 linear ft./gal. (12.4 m/L)
3/4" (19.1 mm) each side - 68 linear ft./gal. (5.5 m/L)

Primary Applications

Surface Preparation: Substrate must be clean, dry, and free of dust and grease. Be sure interfaces are free of curing compounds and/or saw residue.

Application Methods: CMC Select Non-Sag can be applied with a manual or pneumatic caulking gun. Use typical joint sealing practices and proper joint design of 2:1 width to depth ratio when applying. Horizontal joints require a minimum of 1/4" (6.4 mm) depth and maximum 1/2" (12.7 mm) depth. After application, the product can be smoothed with a damp knife..

Cleanup: Application tools can be cleaned with toluene or xylene before curing. Afterwards, mechanical cleaning will be required.

Precautions

Check for compatibility to materials and working techniques not outlined above. CMC Select Non-Sag must be fully cured prior to installation of other materials over the product. Do not apply on wet substrates. Do not apply at temperatures outside application temperature range. (See physical properties chart.)

LEED Information

May help contribute to LEED credits:

- EQ Credit 4.1: Low Emitting Materials - Adhesives and Sealants
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials