



PRODUCT DATA

275.12

NON-SKINNING, STANDING SEAM PUMPABLE BUTYL CAULK

DESCRIPTION:

275.12 is a premium quality, one-component, non-hardening, pumpable butyl-based sealing caulk. It is formulated for sealing metal wall panels, standing roof seams, roof deck panels and expansion joints of similar and dissimilar materials without the need for a primer. It can be used in concealed joints in metal to metal assemblies. It is designed to be factory or field applied and is excellent for sealing joints against infiltration of air, dust, water and pollutants.

275.12 has excellent weathering properties and remains permanently elastic. It is flexible at low temperatures and will not dry out or crack on aging. It yields a 100% cohesive failure to most clean substrates when the bond is broken.

275.12 can be dispensed from a positive displacement pump or manual applicator. The material cuts off easily at the nozzle and is not stringy. After application, the material develops a light film but remains soft and tacky so as to allow a good bond when two panels are butted together. Because it has residual tack, the sealant can create a bond between two panels up to six months after initial application.

PROPERTIES:

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| Color (ASTM D1729): | Off-white |
| Appearance (Visual): | Smooth, uniform consistency |
| Odor (ASTM D1833): | Mild mineral spirits odor when wet. None when dry. |
| Service Temperature: | -60°F to 180°F |
| Specific Gravity (ASTM D71): | 1.36 ± 0.05 g/cm ³ |
| Weight Per Gallon (ASTM D71): | 11.3 ± 0.5 pounds/gallon |
| Viscosity (ASTM D2452): | 15-25 seconds (0.104-inch orifice at 50 lbs pressure. |
| Slump (ASTM D2202): | ≤ 0.25-inch at 158°F |
| Percent Solids (ASTM C771): | 88 ± 3% by weight 78 ± 3% by volume |
| Bubble Formation (TP-004): | Not to exceed 25% of surface after 72-hrs at 158°F. |
| Flexibility (ASTM C765): | Passes ¼-inch mandrel bend @ 0°F after 3-cycles of 16-hours at 158°F + 8-hours at 0°F. |

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| Staining (ASTM D925): | Method A – No stains near or under the location of the sealant bead, no change in color of the painted metal after 168-hours. Method B – No migration stain, flow or skinning. |
| Corrosive Effects (TP-008): | No evidence of pitting or corrosion of aluminum or galvanized after 7-days aging of the sealant on the metals in water at 158°F, preceded by a 3 hour cure at 158°F. |
| Elongation: | 300% @ 77°F (cured 7-days @ 158°F + 14-days @ 77°F) 150% @ 50°F (cured 7-days @ 158°F + 14-days @ 77°F) |
| Engageability Test: | After aging 7-days @ 158°F + 14-days @ 77°F, the sealer will bond to another metal substrate and form a web with cohesive failure when pulled apart. |
| High Temperature: | No sagging, cracking or property loss of a ½-inch round x 8-inch long bead on a vertically mounted, galvanized panel after aging 12-months @ 180°F. |
| Weatherability (ASTM D750): | No apparent change of physical properties after 1,000-hours QUV exposure. Slight discoloration of sealer. |
| Freeze – Thaw Stability: | Passes 50,000+ cycles of 6-minutes @ -10°F + 2-minutes @ 80°F with water spray. |
| Shelf Life: | 12-months in sealed carton at ambient temperature. |
| Pumping Equipment: | Graco 40:1 Bull Dog Pump or equivalent. |

REGULATIONS and SPECIFICATIONS:

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| Federal Specification: | TT-C-1796A, Type I, Class A. |
| FDA Regulation: | Meets FDA Regulation, food additives, sub-part F, subparagraph 175.105 being composed of ingredients acceptable for packing and transporting food. |
| NAAMM: | Meets standard SS-1a-68. |
| U.S.D.A.: | Is acceptable to the U.S. Department of Agriculture for use in meat and poultry processing area under federal inspection. |

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