



PRODUCT DATA

562

PREFORMED BUTYL TAPE / BEADS FOR THE PRE-ENGINEERED METAL BUILDING INDUSTRY

DESCRIPTION:

562 is compounded to meet pre-engineered metal building specifications. The material is soft, resilient and easily worked by hand; yet it adheres instantly to almost any normal commercial surface without being cleaned. Material should be tried for each application. 562 has excellent weathering characteristics while retaining adhesion and elasticity in both hot and cold environments.

Spacer cubes can be incorporated into 562 to prevent bottoming out of sealant when fasteners are installed. They also prevent sealant from pumping out of the joint due to thermal expansion or contraction of roof panels. 562 has outstanding webbing and elongation properties along with excellent adhesion to glass, plastic, polyethylene, galvanized aluminum, galvalume, siliconized polyester, polyurethane and polyvinyl fluoride painted substrates. Preformed butyl tapes allow the erector precise control of volume and sealant placement on roof laps, end laps and side laps of metal buildings.

562 is chemically inert, non-toxic and is non-corrosive to paint, metal, aluminum, copper, plastic and will not swell rubber. NO ASPHALT OR ASBESTOS USED.

PROPERTIES:

Color (ASTM D-1729):	562.12 – Light Gray 562C.12 – Light Gray with cubes
Odor (ASTM D-1833):	None – will not contaminate sweet butter. Non-toxic, non-injurious to skin.
Service Temperature:	-70°F to 220°F
Percent Solids (ASTM C-771):	99% by weight
Weight per Gallon (ASTM D-71):	13.0 ± 0.5 pounds/gallon
Flexibility (ASTM C-765):	Passes 3/8-inch mandrel bend at -70°F
Consistency (ASTM D-217):	
@ 0°F	≥ 45
@ 75°F	≤ 120
@ 120°F	≤ 145
Plastic Deformation (ASTM D-816):	No flow or deformation
Vehicle Bleedout (AAMA 800-08; ASTM C-772):	
21-days @ 77°F	No visible bleedout or migration
14-days @ 180°F	No visible bleedout or migration
21-days RS type sunlamp	No visible bleedout or migration

Staining (ASTM D-925):	
Method A – 7-days @ 175°F	No staining, no significant change in sealant color or its non-skinning characteristics. Will not cause crazing of plastic.
Method B – 7-days RS type sunlamp @ 140°F	No staining, no significant change in sealant color or its non-skinning characteristics. Will not cause crazing of plastic.
Corrosion:	
Method A – Polished copper or galvanized imbedded in sealant for 7-days @ 158°F.	No evidence of pitting, darkening or corrosion
Method B – Sealant placed between the following substrates and ¾ immersed in distilled water, sealed and conditioned for 7-days @ 110°F:	
1. Galvanized and aluminum zinc coated steel	No evidence of pitting, darkening or corrosion
2. Aluminum and aluminum coated steel	No evidence of pitting, darkening or corrosion
Elongation and Webbing:	
≥400% elongation @ 32°F w/o water leaks	500% typical
≥600% elongation @ 77°F w/o water leaks	1200% typical
Tensile Yield (ASTM C-907):	19 psi typical
Water Resistance:	Maintains adhesion to galvanized, aluminum, galvalum and siliconized polyester painted substrates submerged for 60-days @ 120°F.
Paintability:	Paintable
Weatherability (ASTM D-750):	No apparent change of physical properties after 1000-hrs QUV exposure. Slight discoloration.
Chemical Resistance:	Excellent to ozone, water and alcohols. Good to weak acids and bases. Fair to ketones. Poor to oils, aliphatic and aromatic solvents.
Paper Release:	Excellent at room temperature and after conditioning at 158°F for 72-hours.
Cold Flow Stability:	Will not flow or lose shape during transit or storage.
Waterhead Test (MBMA – Ice Damming test):	Passes 5-inch simulated waterhead test.
Heat Stability – 6-months @ 180°F	No hardening, crusting or softening of surface. No surface crazing after bending over ¼-inch mandrel when cooled to 75°F.

REGULATIONS and SPECIFICATIONS:

- ASTM E2140: Meets the requirements of Water Penetration of Metal Roof Panel Systems by Static Water Pressure Head.
- Federal Specification: TT-C-1796A, Type II, Class B (supercedes MIL-C-1896B).
- NAAMM: Meets standard SS-1C-68.
- FDA Regulation: Meets FDA Regulation, food additives, sub-part F, sub-paragraph 175.105 being composed of ingredients acceptable for packing and transporting food.
- USDA: Is acceptable to the U.S. Department of Agriculture for use in meat and poultry processing area under federal inspection.

For technical assistance, customer service and general information please contact us at:

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