



TECHNICAL DATA

Rubex Standing Seam

BUTYL RUBBER SEALING & BEDDING

1. PRODUCT DESCRIPTION:

Rubex Standing Seam is a non-drying, non-skinning, self-healing synthetic rubber based sealant designed for applications for standing seam manufacturing in the metal building industry. It is a non-stringy consistency that exhibits excellent adhesion to conditions such as cold, heat, and moisture. It exhibits excellent cut-off characteristics as well as webbing characteristics, and is not stringy or messy in application. In addition to offering excellent adhesion to siliconized and polyvinyl fluoride painted metals, Rubex Standing Seam also provides excellent adhesion to surfaces such as KYNAR500®, Zinalume, GALVALUME®, and Gavalume Plus. Rubex Standing Seam is a non-drying, non-bleeding formula which remains flexible to form a long lasting resilient and acoustical seal. This non-webbing formulation exhibits excellent tackiness for permanent bonding. Rubex Standing Seam contains an anti-microbial agent which inhibits the growth of mildew and bacteria.

2. TYPICAL USES

Rubex Standing Seam is designed for factor sealing the female lip of concealed standing seam roof (SSR) rib, wall panel and polyurethane foam panel joints where a positive seal is required in mechanically fixed joints.

- Factory sealing female lip of concealed standing seam roof (SSR) rib
- Exact application into concealed panel joints for roll forming lines
- Bedding of mounting fins and flashing
- Sealing end dams and receptor pans
- Window and door installations where a hidden seal is needed
- Sealing between dissimilar metals to prevent electrolysis

3. ADVANTAGES

- Excellent adhesion to GALVALUME®, GALVALUME PLUS', ACRYLUME® and KYNAR500®
- Will not corrode GALVALUME® or copper
- Not stringy or messy to apply
- Excellent pumpability provides a smooth, clean application
- Panels can be erected in the field for up to six months after being factory caulked
- Panels can be easily separated after extended periods for repair and maintenance
- Good gunnability during field application to endlaps

4. INSTALLATION:

Rubex Standing Seam can be applied from 10.1 oz and 30 oz cartridges using standard hand or air caulking guns. For bulk applications it can be extruded from either straight-sided plastic 5-gallon pails or 50-gallon drums (with poly liner) using a Graco 55:1 ratio pump and fluid pressure of 40 to 50 psi.

5. TECHNICAL DATA:

TEST

Material Composition

Uniform Mixture

Extrudability	200g/6s
Low-temperature flexibility	No loss of adhesion
Loss of mass after heat aging	
Loss of mass	5-8%
Boeing Flow	0.05-0.2 inches (ASTM D2202)
Bleeding	None
Resistance to cracking	No cracks
Blistering	No blisters
Aging	Firm but rubbery. Good tack after 50 days conditioned at 158° F.

6. COLORS:

White

7. PACKAGING:

10.1 fl. oz. & quart cartridges. 1, 5, & 50 gallon containers.

8. STORAGE LIFE

Twelve months minimum in unopened containers.

6. APPLICATION

Potential applications include; sealing base track to slab, polyethylene vapor barrier sheet overlaps, insulated panel top caps and panel joints. Surfaces must be clean, dry and free of dust or other foreign matter. Keep Rubex Standing Seam from sight line when painting is necessary.

7. PRECAUTIONS

CAUTION: COMBUSTIBLE LIQUID & VAPOR. Contains mineral spirits. Keep away from heat and flame. Avoid skin contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation. Do not take internally. See MSDS for additional information. Keep out of reach of children.

8. LIMITED WARRANTY:

Any goods prove defective will be replaced or the purchase price refunded. The limited warranty described herein is in lieu of any other warranty, expressed or implied, including any implied warranty of merchantability or fitness for a particular use. The user shall determine suitability of the product for its intended use. Liability for any incidental or consequential damage or loss is excluded. The user assumes all risks of the product's use, handling and storage.

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TYPICAL PROPERTIES

Color:	Off White
Extrudability (ASTM D 2452):	200 g / 6S
Total Solids (ASTM C 681):	Approximately less than 90% (by wt)
Volume Shrinkage (ASTM D 2453):	Less than 10%
Weight per U.S. Gallon (ASTM D 1475):	13.00 lbs. ±0.25 lbs.
Coverage Range:	1500 lineal ft. per gallon at 1/8" bead 695 lineal ft. per gallon at 3/16" bead 392 lineal ft. per gallon at 1/4" bead
Drying Time:	Non-Skinning, remains permanently soft and tacky
Engageability:	Sealant will easily engage and transfer to male joint at 10°F
Vehicle Bleedout (ASTM C772):	No visible exudation of vehicle from sealant after three weeks at 158°F (70°C) on painted or unpainted metal surface
Flexibility as outlined per AAMA 800:	No loss of adhesion at -20°F to -100°F - Pass
Service Temperature Range:	-60°F to 200°F (-51°C to 93°C)
Application Temperature Range:	10°F to 120°F (-12°C to 49°C)
Sag (ASTM D 2202): Boeing Flow	0.20" Max
Non-Corrosive:	No darkening, etching or salt deposits on GALVALUME®, GALVALUME PLUS®, ZINCALUME®, ACRYLUME®, KYNAR 500®, aluminum, aluminized steel or galvanized metal
Staining (ASTM D 925 Method A):	Sealant will not stain a painted surface
Adhesion (ASTM C 794):	Excellent adhesion to oily GALVALUME®, GALVALUME PLUS®, ZINCALUME®, KYNAR 500®, ACRYLUME®, aluminum, aluminized steel or galvanized metal
Resistance to fungus/mildew growth:	Will resist fungal attack and not support mildew growth
Heat Aging:	No loss of surface tack or adhesion
Weatherability (ASTM G 154, 1000 hrs. QUV exposure):	No cracking, bleeding or loss of rubbery characteristics
Chemical Resistance:	Excellent to water, ozone, water vapor, alcohols: fair to weak for acids and bases. Poor to organic solvents
Proposed ASTM Static Water Pressure Head Test:	Sealant passes 6 inches of static water pressure head, no water leakage
Rate of Air Leakage Through Exterior Metal Roof Panel Systems (ASTM E 1680):	Air infiltration @1.57 psf pressure 0.0510 cfm/sq. ft. and 0.0680 cfm/ft. Air infiltration @ 6.24 psf pressure 0.1024 cfm/sq. ft. and 0.1365 cfm/ft.
Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference (ASTM E 1646):	Sealant passed, no water leakage
Wet Flammability (ASTM D 56):	110°F flash point
Toxicity:	Contains no carcinogenic ingredients. Dispose of in accordance with regulations of locale.
Shelf Life:	12 months minimum in unopened container when stored at or below 80°F (27°C)

SPECIFICATION COMPLIANCE

U.S.D.A. Acceptability:
USDA Acceptable

Freight Classification:
Caulking Compound, NOIBN,
NMFC #149610, Class 55