



# MetalSafe™ S-300

## Waterproofing & Corrosion Protection

### METALSAFE™ S-300

#### Product Description

MetalSafe™ S-300 is a single component, liquid applied waterproofing and anti-corrosion sealant combining elastomeric and acrylic polymers for a flexible membrane.

Containing no solvents, MetalSafe™ S-300 is non-flammable and VOC free. MetalSafe™ S-300 will protect seams, fasteners and flashings from water penetration and corrosion. A variety of different reinforcing fabrics and adhesive tapes can be imbedded into the membrane to produce a high tensile protective layer.

#### Application of the Membrane

MetalSafe™ S-300 is applied using a brush, roller or sprayer to provide a seamless and fully adhered membrane to most substrates. This all-purpose waterproofing and anti-corrosion sealant is designed for metal roof panel surfaces as well sealing cracks, joints, penetrations and flashings.

- Seamless waterproof membrane
- Can be applied to lightly rusted or corroded surfaces
- Resistant to thermal cycling
- Highly resistant to salts, chemicals and acids
- Fully bonded to the metal substrate so water will not run beneath the membrane
- Cold-applied & water-based for increased worker safety
- No VOC content or harmful odors
- Freeze/Thaw stable so it can be stored at any temperature

#### Drying time

At 25°C and 50% relative humidity, MetalSafe™ S-300 fully cures in 24-48 hours. Curing time increases in colder temperatures or higher humidity so environmental conditions must be considered before application.

#### Packaging

MetalSafe™ S-300 is available in:

- 1000 litre totes (265 Gal)
- 205 litre plastic drums (55 Gal)
- 18.9 litre pails (5 Gal)

#### Physical Properties (liquid)

Color (Liquid)	Brown to Black (cured)
Specific Gravity	Approx. 1.03
Volatile organics	Contains no solvents
% solids (wt) (Liquid)	60 - 63%
Viscosity cP	12,000-15,000 cP

#### Physical Properties (membrane)

Water Absorption EN 1062-3	0.002% w/w
Permeability ASTM E 96	0.071 ng/m/Pa/s
Salt fog corrosion ASTM B 117-97, 1000 hrs	Passed (no creep back)
Accelerated Weathering (Xenon arc)	No degradation, 250 hrs UV weatherometer
Tensile strength	>150 psi
Elongation	>900%
Hardness Shore A	22-25
Low Temp Flex	-10°C
Working Temperature	-40°C to +80°C

#### Suitable Applications include but are not limited to:

- Metal Roof Panels, Seams, Penetrations Pipes, Vents, Scuppers, Eavestroughs, and Catwalks
- Harsh Environments including Mining, Pulp & Paper, and Processing Plants
- High Saltwater Climates

#### Limitations & Warranty

- Do not apply to dirty or contaminated surfaces
- Do not apply below 0°C
- Avoid contact with solvents and solvent type adhesives

MetalSafe Coatings Inc. warrants its membranes to be free of manufacturing defects. Since methods of application and on-site conditions are beyond our control and can affect performance, MetalSafe Coatings makes no other warranty, express or implied with respect to its membranes.

Contact us via telephone at +1 888-990-9709 or visit [www.metalsafecoatings.com](http://www.metalsafecoatings.com)