



MetalSafe™ A-300

Waterproofing & Corrosion Protection

METALSAFE™ A-300

Product Description

MetalSafe™ A-300 is a water based, liquid applied topcoat comprised of a proprietary blend of both elastomer and acrylic polymers that cure to a seamless membrane. MetalSafe™ A-300 is available in a range of architectural colors.

Containing no solvents, MetalSafe™ A-300 is non-flammable and environmentally friendly and provides moisture and UV protection. MetalSafe™ A-300's excellent solar reflectivity and emissivity provides significant energy savings. The combination of MetalSafe™ A-300 and MetalSafe™ B-300 or MetalSafe™ S-300 will result in the ultimate protective metal roof coating solution.

Application of the Membrane

MetalSafe™ A-300 is applied using a brush, roller or sprayer to provide a seamless and fully adhered membrane to most substrates. This topcoat is available in colors and is designed as a reflective and decorative coating when used as the primary barrier to the sun.

- Excellent Solar Reflectivity and Emissivity
- Resists damage from ponding water
- Resistant to intermittent hydrocarbon or chemical spills
- Strong abrasion resistance for decks & walkways
- Cold-applied/water-based
- No VOC content & no harmful odors
- Freeze/thaw stable

Drying time

At 25°C and 50% relative humidity, MetalSafe™ A-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™ A-300 is available in:

- 205 litre plastic drum (55 Gal)
- 18.9 L pails (5 Gal)

Physical Properties (liquid)

Color (Liquid)	See Color Chart
Specific Gravity	Approx. 1.27
Volatile organics	Contains no solvents
% solids (wt) (Liquid)	59 - 61%
Viscosity	8,000 - 10,000 cP

Physical Properties (membrane)

Solar Reflective Index (SRI)	103 (white)
Emissivity	0.93
Water Absorption EN 1062-3	0.01 % w/w
Accelerated Weathering (Xenon arc)	No degradation, 1000 hrs UV weatherometer
Tensile strength	500 psi
Elongation	350%
Hardness Shore A	55-57
Working Temp Range	-40°C to +150°C
Chemical resistance	Resists salt water and most inorganic solutions

Suitable Applications include but are not limited to:

- Commercial and Residential Metal Roofs
- Harsh Environments Including Mining, Pulp & Paper, and Processing Plants
- High Salt-Water Climates

Limitations & Warranty

- Do not apply to dirty or contaminated surfaces
- Do not apply below 10°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.