

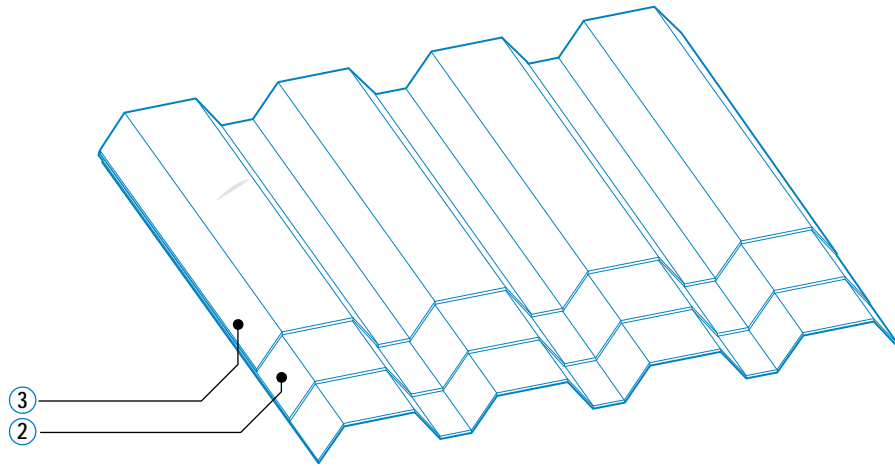
RECOVERY SYSTEM

PRODUCTS

- ① **Alsan FLEX Mastic + Fleece**
5 gal can
Flashing grade waterproofing layer reinforced with polyester fabric
- ② **Alsan FLEX**
5 gal can
Sprayable silver base application
- ③ **Alsan FLEX**
5 gal can
Sprayable white finish application

PolyFleece

50' length; available in widths of 4", 6" and 8"



Alsan FLEX METAL ROOF SYSTEM

Sprayable bright white coating system for metal roof restoration

Surface preparation

Surfaces must be structurally sound, dry and clean; free from moisture, dirt, grease, oil, paint or any other loose or existing waterproof coatings. Remove all previous coatings, laitance or any other contamination, including rust, which may affect the bond of the Alsan FLEX resin.

Entire metal roof surface must be power washed prior to application of Alsan FLEX system.

In areas where power washing did not remove surface rust, area(s) should be thoroughly examined to ascertain if excessive rust is prevalent.

This can best be described as an area that displays surface pitting and exhibits a surface distortion to the texture of the metal panel. These rust areas must be neutralized using the following methodology:

- a. Identify areas for treatment and pre-moisten with a garden hose.
- b. Using a low pressure garden sprayer, mix a phosphoric acid solution at a ratio of 50:50 acid to water (always add acid to water) and while wearing eye protection, protective clothing, and respiratory protection, spray apply the acid solution at a coverage rate of 200 square feet per gallon over the severe rust areas which have previously been pre-moistened with a garden hose.
- c. Allow the acid solution to remain on the treated rusted surface area overnight. Power wash the treated rust areas for a second time the following day. Using a garden hose, take great caution to ensure all residues are rinsed and removed from the metal substrate.
- d. Prime all severe area(s) after proper cleaning and neutralization using Alsan FLEX Red Zinc Primer. Apply Alsan FLEX Red Zinc Primer at a rate of 250 square feet per gallon.

All fasteners must be checked and tightened. If a fastener must be replaced it must be replaced carefully with an oversized fastener and not destroy the gasket or inflict "micro-fracturing". All fastener heads must be coated with Alsan FLEX Mastic prior to comprehensive liquid coating restoration.

All vertical and horizontal seams must be inspected and sealed with Alsan FLEX Mastic & scrim or Alsan FLEX Matrix.

All interior (valley) gutters, rakes, ridge caps, vents, penetrations, flashings, skylights, "crickets", exhaust vents, ladders, splash guards, eave gutters & downspouts, electrical services, curbs, expansion joints and pitch pockets must be inspected and properly prepared & sealed as necessary.

7. Any defective or "rusted out" metal must be replaced and tied in utilizing Alsan FLEX Mastic and reinforcement scrim.

If any existing coating or prior contaminants cannot be removed, perform an adhesion test prior to the application of Alsan FLEX resin to insure compatibility and proper bonding to substrate. Areas with pre-existing aluminized asphalt coating remaining after completion of aggressive cleaning tactics, must be primed with SOPREMA Primer/Blocker prior to restoration coating process. Apply primer as per manufacturer's product data sheet application instructions.

Acceptance of the substrate is the sole decision of the owner or appointed representative.

This specification refers to Alsan FLEX resin and is applicable for systems utilizing Alsan FLEX Series 1000 and Alsan FLEX Series 2000 products.



RECOVERY SYSTEM

Alsan FLEX STANDARD COLORS



bright white



silver

Custom colors available upon request. Please allow sufficient lead time. Minimum orders may apply.

1 Alsan FLEX Mastic + PolyFleece application

Using a slow-speed mechanical mixer, thoroughly mix the entire container of resin for two minutes prior to use in order to ensure proper incorporation of product "solids" which tend to settle during storage and shipping.

For all flashings, penetrations, repairs, drains, metal edges, applicable seams, etc. apply an even base scrim coat of Alsan FLEX Mastic with a brush or roller. Embed PolyFleece in this layer and immediately apply a top scrim coat of Alsan FLEX Mastic wet-on-wet. Cut PolyFleece 4" wider than the split, seam or transition in each direction. Ensure that PolyFleece is fully saturated and does not have voids, fish mouths, trapped air, or wrinkles.

2 Alsan FLEX base application

Using a slow-speed mechanical mixer, thoroughly mix the entire container of resin for two minutes prior to use in order to ensure proper incorporation of product "solids" which tend to settle during storage and shipping. For all application methodologies, product must be heated to 100° F with heat bands or heat exchanger to ensure proper viscosity for maximum performance of applied product. Heating of product to proper temperature range is required during application for both cold weather and warm weather to maximize uniform performance coverage.

When spray applying Alsan FLEX resin, pumps like the Graco 733, Graco King 45:1, Bulldog 30:1, HydraMax or similar should be utilized. Product should be sprayed at 2500 – 3000 PSI. Utilize recommended tip such as Graco 6 – 725 or 6 - 727. Always spray without utilizing atomizer bar to best ensure proper application millage and performance efficiency. Hold spray wand no higher than 12 inches from target substrate with 50% overlap and allow product to "FLOW" AND "SELF-LEVEL". Always spray at a straight "up and down" or 90° angle to enhance performance. Caution should be exercised especially with overspray.

Apply an initial tack coat of Alsan FLEX resin with a sprayer and/or a roller over the entire roof surface. Allow the Alsan FLEX resin tack coat to cure a minimum of four hours prior to application of Alsan FLEX white finish coat. It is recommended BUT NOT MANDATORY to utilize a "silver" color Alsan FLEX resin for the base layer application.

3 Alsan FLEX finish application

Apply a base layer of Alsan FLEX resin with a sprayer and/or a roller over the entire roof surface. Allow the Alsan FLEX resin base layer to cure a minimum of 4 hours. It is recommended BUT NOT MANDATORY to utilize a "silver" color Alsan FLEX resin for the base layer application.

technical data

Product	Alsan FLEX Mastic	Alsan FLEX	Alsan FLEX
Coverage rate per can ¹	125 ft ²	333 ft ²	333 ft ²
Product volume ²	5 gallons	5 gallons	5 gallons
Coverage rate per 100 ft ²	4.0 gallons ³	1.5 gallons	1.5 gallons
Rain proof after	50 minutes	50 minutes	50 minutes
Set time / next layer	2 hours	4 hours	24 hours

This specification refers to Alsan FLEX resin and is applicable for systems utilizing Alsan FLEX Series 1000 and Alsan FLEX Series 2000 products.

¹ All coverage rates are approximate and may vary due to the application technique and surface roughness.

² Product is also available in 50 gallon drums.

³ Coverage rate refers to base application at 2.0 gallons per 100 ft² and top application at 2.0 gallons per 100 ft² with PolyFleece reinforcement embedded in between the two applications.