

ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

Kaidisen Elastomeric Roof Coating is a smooth-textured durable acrylic roof coating. Low VOC. It provides long lasting reflectivity and weatherproofing for Kaidisen Bermuda Roofing System. For exterior use only.

RECOMMENDED USE

Kaidisen Elastomeric Roof Coating is formulated with the necessary adhesive characteristics, flexibility and elongation required to perform as the finish coat of the Kaidisen Bermuda Roofing System which is a low density masonry assembly. The bright white coating reduces roof temperatures. Its durable formula resists weathering from ultraviolet radiation and extreme temperatures and contains a potent mildewcide intended to discourage fungal growth on the roof's surface. As the roof coating ages it may be cleaned as necessary maintain reflectivity by scrubbing and pressure-washing and renewed periodically with successive applications of new coating.

APPEARANCE

Bright White, low sheen. Custom colors are available.

TECHNICAL DATA

Nonvolatile -	By weight - 65.7 ± 1.0%
	By volume - 49.1 ± 1.0%
VOC (Calculated) -	0.6 lbs./gal. (71 grams/liter)
Flash Point -	>250°F (Setaflash)
Weight per gallon -	12.0 ± 0.2 lbs.
Reflectance (ASTM 1549)	Initial: .75
Emissivity (ASTM 1371)	.85
Elongation -	300% @ 75°F, 275% @ 32°F, 150% @ 0°F
Tensile Strength -	200 psi @ 75°F, 365 psi @ 32°F, 815 psi @ 0°F
Flexibility (ASTM D1737) -	passes, 1/8 inch mandrel
Toxicity	lead, chromate, mercury and asbestos free

APPLICATION

Kaidisen Elastomeric Roof Coating requires Kaidisen Base Coat when first applied.

Recommended Film Thickness- Two coats for a total of 15-20 mils dry

Theoretical Coverage @ 15 mils dry - 50 sq. ft./gal.

Method - Brush, roll, airless spray

Thinner - Water

Dry time @ 75°F -	To touch	-	1 hour
	To handle	-	3 – 4 hours
	To recoat	-	24 hours

INSTALLATION

General:

- Protect stored material from freezing
- Store material in closed containers 40 - 100°F.
- Apply in dry weather when ambient air and substrate temperature are above 50°F and substrate temperature is at least 5°F above the dew point.
- Maintain material between 70°F to 100°F during mixing and application.
- Do not thin; do not mix with other coatings.
- Not for use below grade or in areas where standing water occurs.
- Do not apply solvent base coatings over Kaidisen Elastomeric Roof Coating.
- Ensure finish coat is free of pinholes.
- Do not apply to uncured wood or masonry.
- Clean tools with soap and water.

Application:

- Good substrate preparation is critical to the success and longevity of this coating.
- Do not apply late in the afternoon or when there is a threat of rain or moisture condensing on the uncured paint.
- Apply Kaidisen Base Coat before applying Kaidisen Elastomeric Roof Coating to new work or other previously uncoated substrates.
- Use spray, brush or roller to apply coating to required wet mil thickness.
- Allow coating to fully dry before application of successive coats.
- Inspect finished work for voids, and pinholes. Recoat as necessary to cover evenly to the minimum thickness.
- For renewal of existing coatings: remove all dirt, dust, oil, grease, mildew, rust, loose or cracked paint or other foreign matter from substrate prior to application of new coating. For best results apply Kaidisen Base Coat.

Cleaning during service life of roof:

- Remove mildew and dirt by scrubbing with a locally approved environmentally friendly cleaning solution (3 tablespoons of non-ammoniated dry household laundry detergent and 1 quart hypochlorite bleach to 1 gallon of warm water works well on many types of mildew). When using cleaning solutions, it is best to avoid contact with skin and eyes. It is also advisable to wear protective clothing, gloves, and goggles and to quickly wash off any of cleaning solution that touches your skin. After scrubbing, rinse thoroughly with clean potable water.