

# A·R·C·HITECTURAL

## ROOF COATINGS

### DynaSHIELD ALUMINUM COATING

#### • PRODUCT DATA SHEET

##### • DESCRIPTION

DynaSHIELD Aluminum Coating is a proprietary blend of polymers. This is an oil-based, VOC compliant product. DynaSHIELD Aluminum Coating flashes leaving a non-breathing, heat-reducing monolithic Energy Star and CRRC listed coating. It forms a water-repellent surface that easily cleans while resisting microorganisms. Performs under standing water better than all other water-based coatings.

##### • RECOMMENDED USES

This product may be applied over most roofing materials such as metal, BUR, Modified Asphalt Membranes, and Single-Plies. When applying to thermoplastics, concrete or other masonry surfaces, use a recommended primer.

##### • APPLICATION

Roof Insulation must be dry. In addition, the surface to be treated must be clean and dry. If necessary, remove all dirt, grease, loose debris and residue before applying. DynaSHIELD Aluminum Coating may be applied with a roller, squeegee, brush or sprayer. Apply at a rate of 1.00 gallon per 100 square feet per pass, depending on the warranty level desired. Apply evenly at a surface temperature of 30° F or greater.

##### • BENEFITS

Energy Savings	Prevents Rust
Cleans Easily	Waterproofs
Fire Resistant	Flexible
VOC Compliant	Stain & Freeze Resistant

##### • TECHNICAL DATA

TENSILE:	1600 psi ASTM D-2370
ELONGATION:	600 % ASTM D-2370
EMITTANCE:	.60 ASTM C-1371
REFLECTANCE:	.49% ASTM C-1549
COLOR:	Aluminum
PERMEABILITY:	Non-breathing ASTM E-1653
SOLIDS:	Weight 52% +/- 2% ASTM D-1353
SOLIDS:	Volume 46% +/- 2% ASTM D-2697
WEIGHT:	10.0 lbs. per gallon +/- 2%
VISCOSITY:	7,000 to 9,000 cps.
ABRASION:	Passed ASTM D-986
HARDNESS:	60 Shore A ASTM D-2240
STORAGE:	3 years unopened between 50° F - 80° F
DRY TIME:	1 hr. at 75° F and a thickness of 12 wet mils
FULL CURE:	24 - 72 hours depending on humidity, air movement, and temperature
CLEAN-UP:	Biodegradable Citrus Cleaning Products or ARC's Cleaning Solvent for oil-based products
ADHESION:	Pass ASTM D-3359
PIGMENT:	Process Metal
FIRE RATING:	Class "A" ASTM-E-108

- Avoid breathing fumes and prolonged contact with skin. Do not ingest. Keep containers covered when not in use. When using, provide proper ventilation. Dispose of product and container in accordance with local disposal codes.

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