

# ReflectoWhite

## Highly Reflective Protective Roof Coating



### Commercial Product Data Sheet

#### Description

ReflectoWhite is a waterborne, single component roof coating. It is a tough, flexible material, which displays good UV and ozone resistance. ReflectoWhite is used as a protective coating to existing roofing materials such as single ply, modified asphalt membrane and metal roofs.

#### Uses

- To provide a highly reflective surface over roof surfaces of all types
- For coating of all types of roof substrates
- To provide protection and add life expectancy to existing roof surfaces

#### Advantages

- Energy Star Rating
- Ultraviolet and ozone resistant
- Mildew and algae resistant
- Expands and contracts with the roof surface
- Ten Year Warranty
- LEED Compliant
- Excellent solar reflectance: 86%
- Reduces cooling costs
- Fast curing
- Excellent low temperature flexibility
- Adheres to almost any roof or wall substrate including stucco, concrete, metal, wood, asphalt, foam, barrel tile, PVC, TPO, EPDM, etc.
- CRRC and Title 24 rated

#### Color

White

#### Instructions for Use

##### Surface Preparation

Surfaces must be free of dust, loosely adhering particles, oil, grease and previously applied incompatible coatings.

##### Priming

*Unpainted wooden surfaces, Asphalt, Weathered galvanized steel, Non-ferrous metal and PVC:*

No priming is necessary.

*Unprotected iron, Rusted metal, steel:* must first be treated with Rust-X 2020 and then primed with Sealoflex Metal Etch Primer.

##### Chalky surfaces:

must be primed with Sealobond Primer.

##### EPDM rubber:

must be primed first with Sealoflex EPDM Primer or EP1 Primer.

##### TPO or Hypalon:

must be primed first with Sealoflex EPDM Primer.

##### Concrete, Masonry:

##### Above grade or On grade:

Prime with Dampseal 101 or, certain conditions, prime with Sealoment Plus AND Dampseal 101.

#### Application

Apply coating by brush, roller or sprayer. Allow the first coat to dry then apply the second coat perpendicular to the first.

#### Coverage

##### Smooth surfaces:

50 sq. ft./gal. (total for both coats)

##### Granular and Irregular Surfaces:

40 sq. ft./gal. (total for both coats)

#### Cleaning

Uncured ReflectoWhite can be rinsed with water. Cured ReflectoWhite can be dissolved with mineral spirits.

#### Packaging

5-gal. plastic pails & 55-gal. containers

#### Solar Absorptivity Characteristics:

*On a 90°F Ambient Temperature Day:*

Roof Substrate/ Color	Roof Surface Temperature
<b>ReflectoWhite</b>	<b>113°F</b>
Light Gray	131°F
Gray	158°F
Tar & Gravel	167°F
Black Single Ply	186°F

# ReflectoWhite

## Precautions

Do not apply ReflectoWhite if rain is imminent. ReflectoWhite will not cure when the ambient humidity is 100% e.g. during periods of dew or fog. Curing will commence again once the humidity drops below 100%. Light misting the surface of the roof to lower the surface temperature is recommended to prevent “flash drying” of the coating.

Check adhesion to previously painted surfaces as some surfaces may require special treatment or priming. Contact our technical department for specific methods of testing.

*Do not thin or dilute product.*

## Important Information

- Determine if a primer is needed, and/or which primer is best for the application. Please refer to the Pull Test Procedure on the back of the Primer Chart.
- Thoroughly stir the product before use. When using a mechanical mixer, do not over agitate. Over agitating will add air into the product, creating bubbles.
- After mixing, allow product to sit 5-10 minutes to allow trapped air to evacuate container to protect against product pinholes when applied.

## Physical and Mechanical Properties

Property (as Manufactured)	Value
Type	Acrylic Copolymer Coating
Shelf Life and Storage Conditions	12 months if unopened and stored between +40°F and 90°F Do Not Allow To Freeze
Application Temperature	+45°F to 105°F (Ambient) +40°F to 130°F (Surface)
Full Cure	24 hours
Total thickness at 50 sq.ft./gal.	16 mils dft
Elongation (ASTM D412)	390%
Tensile Strength (ASTM D412)	280 psi
Solids by Weight (ASTM D1644)	60.2%
Solids by Volume (ASTM D2697)	50.1%
Low Temperature Flexibility (ASTM D522)	Passes 0.5 inch mandrel bend at -15°F
Reflectance (ASTM D2824)	86%
Emittance (ASTM E408-71)	0.94
Water Vapor Transmission Rate (ASTM E96)	3.0 grains/ft <sup>2</sup> /hr (4.52 perms)
Accelerated Weathering 3000 hours (ASTM D4798/ASTM G26)	No cracking or crazing
Flammability	N/A (Waterbased)
Packaging	5 gallon pails and 55 gallon containers



Ed. July 2016