TECHNICAL DATA SHEET

COOL COAT

(Thermal efficient reflective roofcoating)

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1- Product Description

COOL COAT is bright white, 100% pure acrylic elastomeric coating. It is developed for use over existing roofing systems such as single-ply, metal, modified bitumen, built-up (BUR) and concrete for residential, commercial and industrial applications. ***COOL COAT*** forms a protective barrier that expands and contracts with varying temperatures. ***COOL COAT*** forms a weather resistant membrane that reflects the sun's heat, which reduces the interior temperature of buildings. The dirt pick-up resistance technology of the acrylic polymer enhances the reflective properties of the membrane. ***COOL COAT*** is an easy to apply coating that offers years of durable protection.

Characteristics	Advantages
Water resistant	Prevents infiltration
Resistant to air	Prevents condensation
No joints	Uniform membrane
Reflective	Thermal efficient

2- Product advantages

There are many benefits to using ***COOL COAT*** Elastomeric Roof Coating. The product applies to a smooth, clean and uniform appearance. It protects the roofing from UV degradation but most importantly has high reflectivity for energy savings. ***COOL COAT*** also has high adhesion to existing asphaltic roof coatings.

3- Coverage

COOL COAT elastomeric roof coating is available in 17L pails. The weight per pail is 19.5 kg covering approximately 30m^2 at a dry film thickness of 35mil.

4- Application

Before application ensure surface is clean and free of debris, dirt, mildew, chalk and degraded roofing membrane.
The surface must be dry and free of all moisture. Do not thin product. Do not apply when temperatures are below 7°C (45°F). Do not apply when coating will be subjected to rain or heavy dew before it has had enough time to dry. Temperature and humidity conditions will affect drying time.

COOL COAT elastomeric roof coating can be applied by brush, roller or spray gun (confirm sprayer gun and tip size with STEF representative). Apply coating uniformly ensuring entire surface is coated. Wait 12 hours before applying second coat.

Cleaning: Clean tools with water while ***COOL COAT*** mixture is still wet.

5- Product Storage

COOL COAT must be stored at a temperature of 5°C (41°F) or above in tightly sealed containers. Product lifetime is of 1 year.

6- Necessary precautions

Do not add water since this could make the application more difficult and affect product performance.

7- Transport conditions

Shipping Name: Not applicable.

TDG Classification: Not regulated.

Note: This product requires no special measures during

International transport.

Physical Properties
State: Viscous liquid
Colour: White
Density: 1.31g/mL
Solids by weight: 63%
Solar Reflectivity: 89%
Emissivity: 0.90

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Performance
Initial Mechanical Properties: 24°C Max Tensile Strength: 284 PSI Elongation at break: 173.5 %
Initial Mechanical Properties: -18°C Max Tensile Strength: 1129 PSI Elongation at break: 46.2%
Low Temperature Flexibility: -26°C, 1.27 cm Mandrel: Pass
Tear Resistance: 22.6 Kn/m
Accelerated Weathering: 1000hrs Xenon Arc Weatherometer: Pass
Permeance (face down): 394.7 ng/(Pa.s.m2)
Tack Free Time: 60 minutes

The application instructions and performance characteristics are based on information we believe to be reliable. They are offered to the best of our knowledge, but without guarantee, as conditions and methods of use of our products are beyond our control.

Bsous, Street 505, Aley Mount Lebanon | +961 71 779 922 | info@Stef-me.com | www.Stef-me.com