



R NOVA PLUS



'R' NOVA PLUS WHITE (White top coat)
'R'NOVA PLUS PEACH (Peach base coat)

Order No. L-MR001
Order No. L-MR002

DESCRIPTION & APPLICATION

R NOVA PLUS is a white hybrid polymeric waterproofing and coating material resistant to extreme temperatures. R NOVA PLUS features excellent solar reflectivity and emissivity properties. The material is applied as a thick paste forming a seamless, decorative and flexible membrane that prevents water penetration and extends the life of the roof.

PRODUCT USES:

- Waterproofing new roofs that have various penetrating devices or complex geometrical shapes.
- Waterproofing complex areas, where Bituminous Membranes can not be used.
- Waterproofing existing roofs that are in need of renovation and are covered with old bitumen or old bituminous membranes.

BENEFITS AND ADVANTAGES:

Resists to Extreme Temperatures | High productivity | Ponding Water Resistance | High strength and elasticity | Two colors application to guarantee an absolute coverage | Saves the need of an additional white coat | environmentally friendly | Easy application | High UV Resistance | High Solar Reflectance and Infrared Emissance |

COLOR:

R NOVA PLUS is available in White (top coat) and Peach (base coat).

PACKAGING:

R NOVA PLUS is supplied in 5 gallon containers.

STORAGE:

Store under cover out of direct sunlight and protect from extreme temperature. In tropical climates the product must be stored in an air-conditioned environment. In cold climates the product must be stored in heated environment (over 50°F/10°C). Do not freeze. Shelf life is 12 months when stored as above.

HANDLING:

Refer to relevant Material Safety Data Sheet (MSDS).

SURFACE PREPARATION:

All surfaces to which the R NOVA PLUS is to be applied must be sound, stable with an even finish and free from dirt, dust, loose debris, grease etc. All wires and pipes should be elevated. Make sure that the slopes are such that they prevent water from ponding.

Primer application – for different surfaces such as concrete, bituminous membrane, aluminum, galvanized steel, asbestos, etc.. Apply a first layer of diluted R NOVA PLUS White with water in a ratio of 1:1 at a quantity of 0.5 gal/100 sq.ft. For bitumen surface apply diluted R NOVA PLUS at a quantity of 0.6 gal/100 sq.ft.

APPLICATION:

R NOVA PLUS is applied by two layers. R NOVA PLUS Peach is applied as a base layer with R NOVA PLUS White applied as the top layer. Each layer has a different color in order to ensure that a complete layers have been applied:

First layer – R NOVA PLUS Peach
Second layer – R NOVA PLUS White

Apply with a brush / squeegee / airless spray R NOVA PLUS Peach at a quantity of 2.6 gal/100 sq.ft. Let dry for 4-6 hours.
Apply with a brush / airless spray R NOVA PLUS White at a quantity of 2.6 – 3.5 gal/100 sq.ft. Let dry for 4-6 hours. Enable a complete dry of 14 days before allowing foot traffic.



DESCRIPTION & APPLICATION - Continued

PRECAUTIONS AND LIMITATIONS:


- Roof Slopes: Make sure the slopes are such that they prevent water from ponding (Minimum slope of 2%).
- Do not apply R NOVA PLUS over ponding water.
- Ensure the use of a suitable primer for the surface that the R NOVA PLUS is to be applied.
- R NOVA PLUS should not be applied over accessible roofs.
- Do not dilute the material (unless it is applied as a primer/base layer).
- R NOVA PLUS should not be applied in rain or if rain is expected within 3 days after completing the application.
- R NOVA PLUS may be applied at a temperature range of 41°F (5°C) to 104°F (40°C).
- It is important to verify on a periodical basis that there is not water leakage above the roof as a result of water tanks, air conditioners, etc.
- Do not enable direct roof drainage over the waterproofing system.
- Store the material under cover out of direct sunlight and protect from extreme temperatures.
- In tropical climates the product must be stored in an air-conditioned environment
- In cold climates the product must be stored in heated environment; over 50°F (10°C).
- Do not allow to freeze.
- Do not apply the product past its expiration date (12 months from production date).

TECHNICAL INFORMATION

DESCRIPTION	PROPERTY	STANDARD
Appearance	White or Peach	
Specific gravity	1.35	
Solid content	> 64%	
Coverage	5.2-6.1 gal/100 ft ² (2.6 gal/100 ft ² base layer; 2.6-3.5 gal/100 ft ² second layer)	
Dry film thickness	1.1-1.5 mm (50-60 mils)	
Application temperature	41°F - 104°F (5° - 40°C)	
Heat stability	> 248°F (>120°C)	ASTM D 2939
Cold flexibility	< -22°F (< -30°C)	ASTM D 522
Tensile strength	> 1.6 Mpa (>227 psi)	ASTM D 412
Elongation at break	> 500%	ASTM D 412
Resistance to ponding water	Pass	ASTM D 2939
Resistance to water pressure	> 0.5 atm, 24 hr (> 7.35 psi, 24 hr)	DIN 52123
Water vapor permeance	1.87 perms	ASTM D 1653
Tear resistance	> 130 N/cm (> 76.76 lbf/in)	ASTM D 624
UV resistance	Resistant to UV and the influence of Oxygen and Ozone	ASTM D 4799
Adhesion	Excellent to: concrete, bituminous membrane, bitumen, aluminum, galvanized steel, asbestos, etc.	ASTM C 794
Fungi resistance	Pass	ASTM G 21
R-Nova Plus meets ASTM D 6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing		



TECHNICAL INFORMATION

		<u>Initial</u>	<u>Weathered</u>
	Solar Reflectance	0.88	0.76
	Thermal Emittance	0.87	0.88
	Rated Product ID Number	0044	
	Licensed Seller ID Number	0772	
	Classification	Field-Applied Coating	
<p>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p>			
CA Title 24 Compliant Initial/Weathered - CRRC Rated		Reflectivity 0.88 / 0.76	Emissivity 0.87 / 0.88
LEED	Recycled Content 0%		
	Production Location: Wadsworth, OH		
Solar Reflective Index(SRI)			
Initial		Weathered	
111		94	