

R NOVA PLUS

ACRYLIC-URETHANE ROOF COATING SYSTEMS

SOPREMA



R Nova Plus is a waterborne, single-component roof coating comprised of a self-crosslinking modified acrylic-polyurethane dispersion. The polymer begins to crosslink upon application and continues to completion as it dries. R Nova Plus is applied to existing roof systems to extend the life of the roof membrane by forming a seamless, flexible and aesthetically pleasing protective covering. During application, Alsan PolyFleece may be embedded into an R Nova Plus roof coating to provide a reinforced waterproof membrane. R Nova Plus resists extreme temperatures and ponded water and the white top coat provides excellent solar resistance and thermal emittance properties to the roof surface.

BENEFITS AND ADVANTAGES OF R NOVA PLUS

- White top coat provides excellent solar radiative properties with attendant heat island, energy and occupancy comfort contributions.
- Low odor and low VOC
- High UV resistance
- Resistant to extreme temperature conditions
- Two-color, two coat application enables full and proper coverage
- White roofs can contribute to the reduction of heat inside a building structure
- Resistant to ponded water conditions
- Excellent low temperature flexibility
- High strength and elasticity
- Custom color options available
- Utilized as a roof coating or as a reinforced waterproof membrane in certain applications.



R NOVA PLUS

PHYSICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD
VOC content	0.32 g/L	EPA Method 24
Cold temperature flexibility (average)	< -22°F (< -30°C)	ASTM D 522
Tensile strength (average)	> 1.6 MPa (> 227 psi)	ASTM D 412
Elongation at break (average)	> 500%	ASTM D 412
Resistance to ponding water	Pass	ASTM D 2939
Resistance to water pressure	> 0.5 atm (> 7.4 psi), 24 hr	DIN 52123
Tear resistance	> 130 N/cm (> 76 lbf/in)	ASTM D 624
Solar reflectance (initial/weathered)	0.88 / 0.76	ASTM C 1549
Infrared emittance (initial/weathered)	0.87 / 0.88	ASTM C 1371
Solar Reflective Index (SRI) (initial/weathered)	111 / 94	-
UV resistance	Resistant to UV and influence of O ₂ and ozone	ASTM D 4799
Fungi resistance	Pass	ASTM G 21



R Nova Plus meets ASTM D 6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing.
 R Nova Plus is a CRRC rated product - product ID 0072-0046; license seller ID is 0072; classification: field applied coating

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.
 Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.



INNOVATIVE BUILDING ENVELOPE SOLUTIONS

INNOVATIVE BUILDING ENVELOPE SOLUTIONS

ROOFING • WATERPROOFING • WALL SYSTEMS • CIVIL ENGINEERING

SOPREMA offers a comprehensive line of roofing, waterproofing, wall protection and civil engineering solutions, combining superior products and systems with decades of proven performance. Our solutions include industry leading SBS-modified bitumen membranes, polymeric and modified bituminous liquid applied membranes, and synthetic single ply PVC membranes. For applications as diverse as roofing, below grade waterproofing, plaza deck and balcony waterproofing, air and vapor barriers and bridge and parking structures, SOPREMA has the solution. Our relentless pursuit of technological advancement, sustainability and product quality has been known and respected around the world for over 100 years.





R NOVA PLUS

1.800.356.3521
www.soprema.us

ORDER NO.: L-RNP001 (white)
L-RNP009 (light blue)

TECHNICAL DATA SHEET

QUANTITY (gal)	AMBIENT TEMP	NEXT LAYER	NEXT LAYER (for asphaltic surfaces)	MAX. RECOAT
5 (18.9 L)	104°F 41°F (5 - 35°C)	4-6 hours at 68°F (20°C)	24 hours at 68°F (20°C)	7 days at 68°F (20°C)

DESCRIPTION

R Nova Plus is a hybrid acrylic/urethane resin used in waterproofing existing aged modified bitumen and built-up roof membrane roof systems. R Nova Plus is also utilized in conjunction with a polyester reinforcement for fully reinforced liquid membrane applications.

APPLICATION

In a membrane recovery application, R Nova Plus is applied by two layers. R Nova Plus light blue coat is applied as a base layer with R Nova Plus White applied as the top layer. Product is applied with a brush, roller, squeegee or airless sprayer.

R Nova Plus can also be installed in a fully reinforced configuration, utilizing Alsan PolyFleece polyester reinforcement. Refer to individual project specifications for information on number of layer applications.

PACKAGING

R Nova Plus is available in five (5) gallon pails.

STORAGE & HANDLING

Shelf life: 12 months in original unopened containers when stored at 77F (25C). Keep from freezing. For more information, refer to instruction on the label of the can and to relevant Material Safety Data Sheet (MSDS).



R NOVA PLUS

1.800.356.3521
www.soprema.us

TECHNICAL DATA SHEET

COVERAGE RATES

NON-REINFORCED COATING

1.5 - 2.0 gal / 100 ft² per layer

FULLY REINFORCED APPLICATION

2.0 gal / 100 ft² (first layer)

Alsan PolyFleece ST

1.0 gal / 100 ft² (subsequent layers)

PHYSICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD
VOC content	0.32 g/L	-
Solids content (average)	64%	-
Heat stability (average)	> 248°F (> 120°C)	ASTM D 2939
Cold temperature flexibility (average)	< -22°F (< -30°C)	ASTM D 522
Tensile strength (average)	> 1.6 MPa (> 227 psi)	ASTM D 412
Elongation at break (average)	> 500%	ASTM D 412
Resistance to ponding water	Pass	ASTM D 2939
Resistance to water pressure	> 0.5 atm (> 7.4 psi), 24 hr	DIN 52123
Water vapor permeance	1.87 perms	ASTM D 1653
Tear resistance	> 130 N/cm (> 76 lbf•in)	ASTM D 624
Solar reflectance (initial/weathered)	0.88 / 0.76	ASTM C 1549
Infrared emittance (initial/weathered)	0.87 / 0.88	ASTM C 1371
Solar Reflective Index (SRI) (initial/weathered)	111 / 94	-
UV resistance	Resistant to UV and influence of O ₂ and ozone	ASTM D 4799
Adhesion	Excellent to concrete, bituminous membrane, bitumen, aluminum, galvanized steel, asbestos, TPO, PVC, EPDM	ASTM D 794
Fungi resistance	Pass	ASTM G 21



R Nova Plus meets ASTM D 6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing.
R Nova Plus is a CRRC rated product - product ID 0072-0046; license seller ID is 0072; classification: field applied coating

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. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.