

SOPREMA

R NOVA PLUS

ACRYLIC-URETHANE ROOF COATING SYSTEMS



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
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.

