



WATERPROOFING

APPLICATIONS

ROOFS

R NOVA PLUS

TECHNICAL DATA SHEET 180927SCANF

(supersedes 160422SCANF)

DESCRIPTION

R NOVA PLUS is a single-component polyurethane/acrylic-based waterproofing liquid membrane. R NOVA PLUS is designed to provide seamless waterproofing on metal roofs.

RECOMMENDED SUBSTRATES

Metal surfaces.

SURFACE PREPARATION

Surfaces must be dry, clean and free of loose particles, curing products, irregularities, etc.

Clean the surface with ALSAN ALL-PURPOSE CLEANER (see the product technical data sheet) prior applying R NOVA PLUS base coat.

The cavities of a width greater than 1.6 mm (1/16 in) must be filled using R NOVA PLUS MASTIC.

APPLICATIONS

R NOVA PLUS base coat and R NOVA PLUS finish coat are applied with a low pressure sprayer (preferred method), with rollers or brushes.

With sprayer for the 2 layers: Hold spray wand perpendicular from surface area to be coated to 300 mm (12 in) maximum from the surface. Always apply overpass of 50%. If needed, subsequent applications are to be applied perpendicularly (90 degrees) to each other. Use an "airless" sprayer with a minimum operating pressure of 3000 psi, tip size 529.

Using a low speed mixer (200 to 400 rpm), thoroughly mix the contents of the container for 3 to 5 minutes before use of R NOVA PLUS base and finish coats to obtain a homogeneous consistency.

R NOVA PLUS is applied in two layers. Each layer has a different colour to ensure complete coverage.

In case where it is impossible to completely remove rust, use R NOVA PLUS PRIMER to reduce the risk of detachment.

R NOVA PLUS base coat (colour blue)

Coat the surface with R NOVA PLUS base coat at a rate of 0.6 to 0.8 L/m² (1.5 to 2.0 US gal/100 ft²) with a thickness of 25 - 32 mil. Allow to dry a minimum of 4-6 hours prior application of R NOVA PLUS finish coat over metal surfaces. For any other surfaces, contact your SOPREMA representative. Maximum recoat window is 7 days. For a further period of time, clean the surface with ALSAN ALL-PURPOSE CLEANER. Make sure to do an adhesion test patch before the application of the following coat of R NOVA PLUS.

R NOVA PLUS finish coat (colour white)

Coat the surface with R NOVA PLUS finish coat at a rate of 0.6 to 0.8 L/m² (1.5 to 2.0 US gal/100 ft²) with a thickness of 25 - 32 mil. Allow to dry a minimum of 4-6 hours prior foot traffic. R NOVA PLUS achieves its permanent strength in 14 days.

Membrane layers must be applied perpendicular to each other. Coverage rate may vary depending of the substrate. The second layer's colour can be changed for a customized finish.

The minimum application temperature is 5 °C (41 °F). Curing time was determined under ideal application conditions: 25 °C (77 °F) and 50% relative humidity. Curing time will be longer at lower temperatures.

Refer to individual product data sheets for specific recommendations and requirements.

FOR COMPLETE INFORMATION ON PRODUCT APPLICATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.



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PACKAGING

Specifications	R NOVA PLUS base coat	R NOVA PLUS finish coat
Physical state	Liquid	Liquid
Colour	Light blue	White
Container	18.9 L (5.0 US Gal)	18.9 L (5.0 US Gal)
Coverage per container	23 to 30.5 m ² (250 to 333 ft ²)	23 to 30.5 m ² (250 to 333 ft ²)

PROPERTIES

Properties	Standards	R NOVA PLUS
Viscosity, Brookfield at 25 °C (77 °F)	-	8000 cP
Specific gravity	-	> 1.3 kg/L (> 10.8 lb/US gal)
Solids content (average)	-	64%
Heat stability (average)	ASTM D2939	> 120 °C (> 248 °F)
Cold temperature flexibility (average)	ASTM D522	< -30 °C (< -22 °F)
Tensile strength (average)	ASTM D412	> 1.6 MPa (> 227 psi)
Elongation at break (average)	ASTM D412	> 500 %
Resistance to ponding water*	ASTM D2939	Pass
Resistance to water pressure, 24 hours	DIN 52123	> 0,5 atm (> 7.4 psi)
Water vapour permeance	ASTM D1653	107 ng/Pa·s·m ² (1.87 perm)
Tear resistance	ASTM D624	> 130 N/cm (> 76 lbf/in)
UV resistance	ASTM D4799	Pass
Fungi resistance	ASTM G21	Pass
Fully cured @ 20 °C (68 °F)	-	4 - 6 hours

(All values are nominal)


CLEANING

Tools and uncured adhesive can be cleaned with water.

STORAGE AND HANDLING

Storage: Up to 12 months in original sealed container, protected from moisture. Store in a ventilated place, away from heat and direct sunlight.

For more information, refer to instructions on the container label and relevant safety data sheet (SDS).

 Cool Roof Rating Council COOL ROOF RATING COUNCIL	Rated product ID 0072-0044	Classification: Field applied coating				Solar Reflective Index (SRI)	
	License Seller ID 0072	Initial	Weathered	Initial	Weathered	Initial	Weathered
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.	Solar Reflectance	0.88	0.76	111	94		
	Thermal Emittance	0.87	0.88				



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