



WATERPROOFING

APPLICATIONS

ROOFS

R NOVA PLUS

TECHNICAL DATA SHEET APTDS-E-22-01

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 con guration, utilizing Alsan PolyFleece polyester reinforcement. Refer to individual project specifications for information on number of layer applications.

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

PACKAGING

R Nova Plus is available in 18.9L pails.

STORAGE & HANDLING

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

COVERAGE RATES

NON-REINFORCED COATING
1.5 - 2.0 gal / 100 ft2 per layer

FULLY REINFORCED APPLICATION
2.0 gal / 100 ft2 (rst layer)
Alsan PolyFleece ST
1.0 gal / 100 ft2 (subsequent layers)





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PROPERTIES

Properties	Standards	R NOVA PLUS
VOC content	-	0.32 g/L
Solids content (average)	-	64%
Heat stability (average)	ASTM D 2939	> 120°C
Cold temperature exibility (average)	ASTM D 522	< -30°C
Tensile strength (average)	ASTM D 412	> 1.6 MPa (> 227 psi)
Elongation at break (average)	ASTM D 412	> 500%
Resistance to ponding water	ASTM D 2939	Pass
Resistance to water pressure	DIN 52123	> 0.5 atm (> 7.4 psi), 24 hr
Water vapor permeance	ASTM D 1653	1.87 perms
Tear resistance	ASTM D 624	> 130 N/cm
Solar reflectance (initial/weathered)	ASTM C 1549	0.88 / 0.76
Infrared emmitance (initial/weathered)	ASTM C 1371	0.87 / 0.88
Solar Reflective Index (SRI) (initial/weathered)	-	111 / 94
UV resistance	ASTM D 4799	Resistant to UV and in uence of O2 and ozone
Adhesion	ASTM D 794	Excellent to concrete, bituminous membrane, bitumen, aluminum, galvanized steel, asbestos, TPO, PVC, EPDM
Fungi resistance	ASTM G 21	Pass

(All values are nominal)

