

### DESCRIPTION

NovaSet® R250 ISW is a fluid-applied seamless roof membrane. It is composed of an advanced engineered blend of thermo-active polymerized modified emulsion (PME) technology. This monolithic, fully bonded, and self-healing waterborne roof membrane provides superior resistance and longevity for a multitude of high-performance waterproofing applications.

### NaturaSeal® - PME TECHNOLOGY

NaturaSeal's unique environmentally conscious post-blending and instant setting polymerized modified emulsion (PME) technology was created to offer the most effective, resource friendly products and contribute towards sustainable urbanization.

#### BENEFITS

- Innovative instant set technology allowing for fast, effective applications
- Speed of application reducing labour costs
- Eco-friendly, Low VOC and odorless
- Cold-applied, non-flammable and non-toxic
- Allows for expansion and contraction at varying temperatures
- Easy to install, seamless monolithic, no vulnerable joints
- Versatile, bonds to a variety of substrates
- UV and weathering resistant material
- Flexible, ideal for complex transitions
- Superior adhesion to asphaltic roof coatings
- High reflectivity for energy savings

#### INSTALLATION



SPRAY APPLIED

#### APPLICATION

- Metal Roof Assembly
- Cool Roof Assembly
- Single-Ply Roof Assembly
- Re-Roof Assembly (including spray foam)
- Built Up Roof (BUR) Assembly
- SBS modified bitumen
- Concrete

### HEALTH SAFETY AND ENVIRONMENT

NovaSet® R250 ISW does not contain any substance likely to be detrimental to health or to the environment. For further information please refer to relevant Safety Data Sheet (SDS).

### INSTALLATION GUIDELINES

- All substrates must be clean and free of debris, dirt and mildew.
- Do not apply when subjected to rain.
- Do not apply when temperatures are below 40°F (5°C).
- Temperature and humidity conditions will affect drying time.

For further information please refer to [www.naturaseal.com](http://www.naturaseal.com) for the most up-to-date and complete installation guidelines for each substrate.

### COMPONENTS

- NovaSet® ISW BrushGrade
- NovaSet® ISW PatchGrade
- NaturaSeal 200R reinforcement fabric
- NS-DTM Primer
- PMAE B700 Catalyst

### COVERAGE

Dry Film Thickness (DFT)	Wet Film Thickness (WFT)	ft² / g (ft² / L)
25 mils	47 mils	35 (9.36)
30 mils	57 mils	30 (7.75)
35 mils	66 mils	25 (6.67)
40 mils	75 mils	22 (5.81)
45 mils	85 mils	19.5 (5.17)

The membrane is firm to touch in one minute at 20°C (68 °F) and is fully cured in 24 to 48 hours depending on temperature and relative humidity.

For equipment, application and coverage rate details, please refer to NaturaSeal Installation Guidelines specific to your substrate.

### QUALITY MANAGEMENT

NaturaSeal is committed to creating unparalleled new technologies, minimizing the negative impacts on the environment and communities. Our manufacturing facilities are independently monitored and certified ISO 9001, ISO 14001, ISO 45001 and CE.

- Please refer to NaturaSeal for the most up-to-date Technical Data Sheet (TDS).
- NaturaSeal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

### SHELF LIFE

Material will have a 12-month shelf life if stored in a dry and properly ventilated space, protected from the elements or any harmful substances.

### STORAGE AND USE

- Ensure all tote, drum and pail lids are sealed and air-tight prior to use.
- Properly mix each tote, drum or pail prior to use.
- Do not store in direct sunlight or temperatures ≥ 90°F (32°C).
- Avoid storing or using the product in temperatures ≤ 40°F (5°C).

#### SUSTAINABILITY

NaturaSeal® products support sustainable and energy-efficient building practices, contributing to LEED® certification (LEED® for New Construction).



### PRODUCT INFORMATION

Property	NovaSet® R250 ISW
pH	10 - 12
Odor	None
VOC	Low
Solar Reflectivity	Initial: 0.86, Weathered: 0.80*
Solar Reflectance Index (SRI)	Initial: 109, 3 Years: 100*
Thermal Emittance	Initial: 0.91, Weathered: 0.90*
Physical state	Viscous liquid
Color	White, Tan and Smooth grey
Packaging	1000 L Tote / 205 L Drum / 20 L Pail

\*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values.

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 effects 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.

CERTIFICATES	ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, CE
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### TECHNICAL INFORMATION

Property	Standard	NovaSet® R250 ISW
Dry Film Thickness (DFT)	ASTM D5147	0.75 mm
Viscosity	ASTM D2196	36,500 cps
% Solids by weight	ASTM D1644	64.7 %
% Solids by volume	ASTM D2697	78.9 %
Tensile strength	ASTM D2370	215 psi
Elongation	ASTM D2370	376 %
Tensile strength (post UV exposure)	ASTM D2370	202 psi
Elongation (post UV exposure)	ASTM D2370	287 %
Permeance	ASTM D1653	8.035 perms
Water swelling	ASTM D471	12.2 %
Accelerated weathering (1000 Hrs)	ASTM D4798	PASS (no cracking)
Wet peel adhesion (galvanized)	ASTM D903	4.85 pli
Wet peel adhesion (concrete)	ASTM D903	3.85 pli
Tear resistance	ASTM D624	92.6 lbf/in
Low temperature flexibility at -29°C	ASTM D522	Pass

Information contained in this data sheet is up-to-date and correct as at the date of issue. All values represented are nominal and subject to 10% tolerance unless noted otherwise.

We warrant that our products are in conformance with the standards of quality control established by NaturaSeal. As we cannot control or anticipate the conditions under which the products may be used, each user should review the information in specific context of the planned use. NaturaSeal makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to NaturaSeal Products. To the maximum extent permitted by law, NaturaSeal will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. Please contact NaturaSeal for applicable warranty programs and general terms and conditions.

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### AFFILIATES



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