

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

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 / L
25 mils	47 mils	9.36
30 mils	57 mils	7.75
35 mils	66 mils	6.67
40 mils	75 mils	5.81
45 mils	85 mils	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 guides in force.

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.

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 5 °C (41°F).
 - Temperature and humidity conditions will affect drying time.
- For further information please refer to www.naturaseal.com for the most up-to-date and complete installation guidelines for each substrate.

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 ≥ 32°C (90°F).
- Avoid storing or using the product in temperatures ≤ 5°C (41°F).

SUSTAINABILITY

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



NATURASEAL DISTRIBUTION INC.

960 Edgeley Blvd. Unit #4,
Vaughan, ON L4K 4V4
www.naturaseal.com | info@naturaseal.com

NATURASEAL INTERNATIONAL INC.

The Offices at IBN Battuta Gate 8th Floor Office 804B,
P.O. Box 214771, Jabel Ali First, Dubai U.A.E.
www.naturaseal.com | contact.international@naturaseal.com

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
Colour	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
--------------	---

TECHNICAL INFORMATION

Property	Standard	NovaSet® R250 ISW
Dry Film Thickness (DFT)	ASTM D5147	0.75 mm
Brookfield viscosity @ 25 °C	ASTM D562	500 ± 200 cps
% Solids by weight	ASTM D1644	62 ± 2%
% Solids by volume	ASTM D2697	55 ± 2%
Tensile strength	ASTM D2370	225 ± 25 psi
Elongation	ASTM D2370	175 ± 25 %
Permeance	ASTM D1653	3.0 ± 1 perms
Accelerated weathering (1000 Hrs)	ASTM D4798	PASS (no cracking)
Adhesion	ASTM C79	> 2.0 pli
Tear resistance	ASTM D624	70 ± 5 lbf / in

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 in force.

PIONEERING THE FUTURE TODAY

AFFILIATES



NATURASEAL DISTRIBUTION INC.

960 Edgeley Blvd. Unit #4,
Vaughan, ON L4K 4V4
www.naturaseal.com | info@naturaseal.com

NATURASEAL INTERNATIONAL INC.

The Offices at IBN Battuta Gate 8th Floor Office 804B,
P.O. Box 214771, Jabel Ali First, Dubai U.A.E.
www.naturaseal.com | contact.international@naturaseal.com