

NS-200R™ Geotextile

Needle-Punched Nonwoven Geotextile

TECHNICAL DATA SHEET NS200R062525NNA01

DESCRIPTION

NS-200R™ is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers. NS-200R™ resists ultraviolet deterioration, rotting, biological degradation, naturally encountered bases and acids. Polypropylene is stable within a pH range of 2 to 13.

NaturaSeal® - PMAE TECHNOLOGY

NaturaSeal unique green PMAE technology created from readily available waste in the oil and forestry industries utilizing raw materials that are derived from the process of recycling waste streams within the asphalt, wood chip, pulp and paper.

BENEFITS

- Manufactured with pure and stable fibers
- Meets AASHTO M288 Class 3 for elongation > 50%
- Excellent physical and hydraulic properties
- Resistant to ultraviolet deterioration
- Withstand rotting and biological Degradation
- Resistant to naturally encountered bases and acids
- Stable within a pH range of 2 to 13

INSTALLATION



ROLL

APPLICATION

- Waterproofing
- Air Barrier
- Roofing
- Gas Protection
- Water Features
- Planted Areas

HEALTH SAFETY AND ENVIRONMENT

The materials does not contain any substance likely to be detrimental to health or to the environmet and complies with generally accepted health and safety requirements. For further information please refer to relevant Material Safety Data Sheet in force.

INSTALLATION GUIDELINES

- Do not apply if rain is imminent within 24 hrs.
- Do not apply to wet, frozen or frosted surfaces.
- Do not expose to UV for more than 30 days.
- For application below 0°C (32°F) please refer to NaturaSeal guidelines for winterized kits.

For further information please refer to the relevant Work Method Statement (WMS).

STORAGE AND USE

The material must be stored in shaded spaces, protected from exposure to direct sunlight, extreme heat and moisture. Material must be kept away from heat and flammable materials. Avoid stacking heavier pallets of materials on top of this product.



SUSTAINABILITY

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



COMPONENTS

NS-200R™ is used as an ancillary in combination with all NaturaSeal Cold-Applied PMAE™ series of products.

COVERAGE

Size	Packaging
11.15 m ²	180 rolls / pallet
16.72 m ²	120 rolls / pallet
33.45 m ²	60 rolls / pallet
66.89 m ²	30 rolls / pallet
125.42 m ²	12 rolls / pallet
175.59 m ²	12 rolls / pallet
209.03 m ²	12 rolls / pallet

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 CE, ISO 9001, ISO 14001 and ISO 45001.

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

SHELF LIFE

Material shall be stored in a dry and properly ventilated space, protected from the elements or any harmful substances. Material shall be adequately protected from environmental impacts to the properties or the performance of the membrane.

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COMPLIANCE

AASHTO M288 OF PRODUCT CONFORMITY - DM-DCLD-RD-DP21-2001 (IC)

PRODUCT INFORMATION

Physical Properties	Typical Results
Reinforcement	Needle-punched nonwoven geotextile
Thickness	0.5 mm
Colour	White, Black

TECHNICAL INFORMATION

Property	ASTM Method	Results
Tensile Strength (N)	D4632	445
Grab Elongation (%)	D4632	50
Tear Resistance (N)	D4533	200
CBR Puncture ¹ (N)	D6241	1320
Permittivity (sec ⁻¹)	D4491	2.0
Water Flow Rate (l/min/m ²)	D4491	6095
Apparent Opening Size (mm)	D4751	0.300
UV Stability (% @ 500h)	D4355	70

1. Burst strength (Mullen ASTM D3786) and Puncture (ASTM D4833) are both replaced by CBR Puncture (ASTMD6241)

*All values are MARV except where specified.

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

1. Allow poured concrete to properly cure (28 days). Peel adhesion of Membrane to concrete is measured at a rate of 50 mm/min at 22°C (71.6°F).

2. Test conducted at 3.25 mm.

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, we 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.

AFFILIATES



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