

SpraySeal™ NS-F300 + GE

Dual Component, Fluid-Applied, Elastomeric, Non-Permeable Membrane

TECHNICAL DATA SHEET F300GE062525NNA01

DESCRIPTION

SpraySeal™ NS-F300 + GE is a dual-component, asphalt based, elastomeric coating for commercial waterproofing, such as Open-cut waterproofing, Horizontal Decks, Blindside applications, including Shot-Crete, and more. NS-F300 + GE is weather resistant, eco-friendly, safe to use, and can be applied onto green concrete. NS-F300 + GE is a highly versatile elastomeric coating that is cold-applied using a spray- system to create a durable, seamless membrane. It can be used to cover a wide variety of surfaces. With its unsurpassed ability to expand and contract, it can easily withstand all weather conditions. SpraySeal™ NS-F300 + GE (Geotextile) can also be used in combination with a geotextile fabric for superior strength.

NaturaSeal® - PMAE TECHNOLOGY

NaturaSeal manufactures products utilizing unique green PMAE Technology and raw materials that are derived from recycled effluent asphalt, wood chip and paper pulp.

BENEFITS

- Used on concrete foundation walls
- Withstands temperature changes and surface shifts without becoming cracked or strained
- Superior resistance to hydrostatic head pressure
- Highly elastomeric
- Self-heals if it is punctured
- Environmentally friendly and free of toxins and VOCs

INSTALLATION



SPRAY APPLIED

APPLICATION

- Pre-applied Waterproofing
- Vertical Shoring System
- Horizontal Underslab System
- Post-Applied Waterproofing

HEALTH SAFETY AND ENVIRONMENT

SpraySeal™ F300 + GE does not contain any substance likely to be detrimental to health or to the environment. For further information please refer to relevant Material Safety Data Sheet (MSDS).

INSTALLATION GUIDELINES

- All substrates must be clean and free of debris, dirt and mildew.
- Do not apply when subjected to heavy rain.
- Temperature and humidity conditions will affect drying time.

For further information refer to NaturaSeal installation guides.

COMPONENTS

- Natura HDPro
- BrushSeal HB-600-BR
- PatchSeal PS-700-TG
- NS-200R Geotextile Fabric
- NS-SALT



SUSTAINABILITY

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



COVERAGE

Dry Film Thickness (DFT)	SF/Gallon
40 Mills	26.07
60 Mills	17.38
80 Mills	13.03
100 Mills	10.43
120 Mills	8.68

SpraySeal™ NS-F300 + GE is firm to touch in one (1) minute @ 20°C (68°F) and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity (24-48 hrs). For approximate drum coverage, refer to NaturaSeal Coverage Literature.

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, ISO 45001 and DM-DCLD PRODUCT CONFORMITY, 2023 AL SA'FAT DUBAI GREEN BUILDING SYSTEM

- 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 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

- Mix each drum for 5-7 minutes prior to use.
- Ensure lids to drums are sealed, and air-tight prior to use.
- Do not store in direct sunlight max 32°C (90°F) or below 5°C (41°F).
- Avoid storing or using the product in temperatures below 4.5°C (40.1°F) without a winterized kit.
- When used for Blindside applications, NS F-300 + GE is intended to be installed along with a DELTA-NaturaDrain drainage membrane.

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APPROVALS / CERTIFICATE

CE Marking, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
 CERTIFICATE OF PRODUCT CONFORMITY - DM-DCLD-RD-DP21-2001 (IC)

TECHNICAL INFORMATION

Performance (Cured Membrane)	ASTM Method	Results
Thickness (mm/mils)	D5147	3/120
Peak Load @ 23°C (73.4°F) MD ; kN/m	D5147	7.1
Peak Load @ 23°C (73.4°F) XD ; kN/m		
Elongation at break (%) MD	D5147	179
Elongation at break (%) XD		
Tensile Strength, MPa (psi) (After 7 days in the water)	D882	3.5 (514)
Elongation (%) (After 7 days in water)	D882	183
Tear Strength (N MD)	D4073	418
Tear Strength (N XD)		
Low Temperature Flexibility @ -20°C (-4°F)	D5147	Unaffected
Water Vapor Permeance (ng/Pa.s.m²) (US Perms)	E96, Method B	0.02 (0.00035) Unaged 0.03 (0.00052) After Conditioning
Adhesion to Concrete @ 22°C (71.6°F), N/m(lbf/in)	D903	4560 (26.04)
Resistance to Hydrostatic Head ft (m)	D5385M	
100psi (2mm)		271 (82)
150psi (3mm)		346 (105)
Gas Permeability (methane) cm²/s @ 1atm cm³ x cm/cm³ x s x Pa	D1434	2.54 x 10-8 2.51 x 10-13
Dimensional Stability, %	D1204 & D5147	
Length		0.2
Width		0.2
Puncture Resistance, N (lbf)	E154	909 (204)
Lateral Water Migration Resistance (PSI)	D5385	Pass at >100 PSI

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. Elongation of polymerized modified asphalt compound
2. Permeance to water vapour transmission (HSPE side)
3. 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)
4. Water temperature 22°C (71.6°F), duration of 1 hour
5. Water temperature 22°C (71.6°F), duration of 1 hour
6. Test conducted at 3.25 mm
7. Test temperature 70°C (158°F), Test duration 72 hours

We warranty 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



PIONEERING THE FUTURE TODAY

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