

Product Description

SpraySeal NS-F300 is an asphalt based, elastomeric coating for commercial waterproofing, such as Open-cut waterproofing, Horizontal Decks, Blindside applications, including Shot-Crete, and more. NS-F300 is weather resistant, eco-friendly, safe to use, and can be applied onto green concrete. NS-F300 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.

Features & Benefits

- SpraySeal NS-F300 coating can be used on concrete foundation walls and wood/ caisson shoring.
- This durable product can withstand temperature changes and surface shifts without becoming cracked or strained.
- SpraySeal NS-F300 has superior resistance to hydrostatic head pressure.
- SpraySeal NS-F300 is highly elastomeric.
- SpraySeal NS-F300 self-heals if it is punctured.
- Environmentally friendly and free of toxins and VOCs.

Storage & Use

- Mix each drum well 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).
- When used for Blindside applications, NS F-300+GE™ is intended to be installed along with a NaturaDrain 6500XP drainage membrane.

Applications

- Commercial Open-Cut Waterproofing
- Waterproofing Horizontal Decks
- Storm Water Tank Waterproofing
- Elevator Pit Waterproofing
- Blindside Waterproofing
- Full Tanking/ Bathtub Waterproofing

Colour

BLACK

Limitation

Mildly alkaline. Do not apply when the ambient temperature is below freezing. Do not apply to frozen or frosted surfaces. For application below 0°C (32°F), please refer to manufacturers guidelines for winterized kits.

Packaging

55-gal (205-L) Drums
265-gal (1000-L) Totes

Coverage

SpraySeal NS-F300 is applied between 60 Mils DFT and 80 Mils DFT for Commercial Open-Cut Waterproofing applications, and more.

SpraySeal NS-F300+GE™ is applied between 80 Mils DFT and 120 Mils DFT for Commercial Blindside, Podium Deck, and Bathtub Waterproofing applications.

SpraySeal NS-F300 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). Typically an applicator crew can spray 8-15 Gallons/hour. For approximate drum coverage, refer to NaturaSeal Coverage Literature.

Warranty

NaturaSeal warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, NaturaSeal makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to NaturaSeal Products. NaturaSeal's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of NaturaSeal Products proven to be defective, and NaturaSeal shall not be liable for any loss or damage.

Please refer to our website at www.naturaseal.com for the most up-to-date Product Data Sheets.

Note: All NaturaSeal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements

PIONEERING THE FUTURE TODAY

Corporate office:

NaturaSeal Distribution Inc.
960 Edgeley Blvd. Unit #4
Vaughan, ON L4K 4v4

info@naturaseal.com

www.naturaseal.com

•Free of Flammable Solvents

•Non-toxic

•Odourless and Water Based

PHYSICAL PROPERTIES	TYPICAL RESULTS
Specific Gravity	Approximately 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to Black
% Solids (wt.)	62 +/- 3%
pH	10-12

PERFORMANCE (CURED MEMBRANE)	ASTM METHOD	RESULTS
Thickness, mm	D5147	1.5
Impact Resistance, in-lbs	CSB 37-GP-56 @ 23°C (73.4°F)	Passed (168)
Water Tightness After Impact		Passed (no leakage)
Tensile Strength, psi	D412	8.4 Mpa (1218 PSI)
Elongation, %	D882	850%
Adhesion to Concrete Strength, psi	C907	111
Puncture Resistance	D5602-06	Passed (no puncture)
Accelerated Weathering	D155, D412	Passed (no deterioration of film)
Hardness, Durometer Type 00		85-87
Surface Burning Characteristics	CAN/ULC-S102.2	Class A Passed
National Sanitation Foundation		Potable Water Approved (call for details)
Salt Fog Corrosion, Steel	D412	1,000 Hours Passing
Hydrostatic Head Pressure Resistance	D5385	Passed (no leakage) at 75 PSI (138 ft) of hydrostatic pressure
Low Temperature Flexibility	D5147-14	Passed (no cracking observed)
Dimensional Stability, Max %	D1204 & D5147	Passed 2.31
Compound Stability, °C/ °F		Passed (123°C/ 253.4°F)
Water Vapour Permeance, ng/Pa.s.m2 (perms)	E96-16,	5 (0.09) Procedure A, Desiccant 4 (0.07) Procedure B, Water
Biological resistance	E154, D412	Passed (> 90% original value)
Crack Bridging	CAN/CGSB 37.58-M86 & C1305	No Cracking Observed (-26°C/ -14.8°F) No Cracking Observed (40°C/ 104°F)
Water Resistance	AATCC 127 & E2556	Pass, 55 cm of Water Head for 5 hours
Pull Adhesion, mPa	D4541	0.49
Adhesion in Peel (After Water Immersion)	C836 (N/m)	670 N/m

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Colour	Brown to Black
% Solids (wt.)	62 +/- 3%
pH	10-12

PERFORMANCE (CURED MEMBRANE)	ASTM METHOD	RESULTS
Thickness, mm	D5147	3
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.m ² (US Perms)	E96, Method B	0.02 (0.00035) Unaged 0.03 (0.00052) After Conditioning
Adhesion to Concrete @ 22°C/ -4°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) cm ² /s@1atm cm ³ x cm/cm ³ xsxPa	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

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