

SpraySeal™ F300 BG

Cold Fluid-Applied, PMAE Waterproofing Membrane

TECHNICAL DATA SHEET F300BG0125NBCM03
SUPERSEDES F300BG0304NBCM02

DESCRIPTION

SpraySeal™ F300 BG is a proprietary Polymerized Modified Asphalt Emulsion (PMAE) technology formulated from organic compounds. This elastomeric waterproofing coating is a post blended and instant-setting spray-applied to form a flexible, seamless, non-permeable waterproofing membrane.

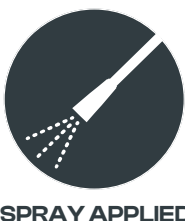
NaturaSeal® - PMAE TECHNOLOGY

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

BENEFITS

- Free of volatile organic compound
- Eco-friendly
- Solvent free and odorless
- Cold-applied, Non flammable and non toxic
- Self-sealing characteristics if punctured
- Superior elongation and elastic recovery
- Easy to install, Seamless monolithic, no vulnerable joints
- Fully bonded to cured and green concrete
- Chemical, UV and weathering resistant material

INSTALLATION



SPRAY APPLIED

APPLICATION

- Pre-Applied Waterproofing
- Post-Applied Waterproofing
- Isolated Footings
- Below-Grade Waterproofing

HEALTH SAFETY AND ENVIRONMENT

SpraySeal™ F300 BG 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 rain.
- Do not apply when temperatures are below 5 °C.
- Temperature and humidity conditions will affect drying time.
- When applied over cementitious or other porous substrates, there is a risk of blistering and/or pinhole formation due to air entrapment.
- Coverage rates are theoretical and do not account for variables such as surface texture, porosity, application technique, or material wastage.
- Curing times are approximate and can vary depending on ambient conditions, including temperature, humidity, airflow, and substrate characteristics.

For further information refer to NaturaSeal installation guides.

SHELF LIFE

Material will have a 24-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 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 $\geq 32^{\circ}\text{C}$.
- Avoid storing or using the product in temperatures $\leq 5^{\circ}\text{C}$.

COMPONENTS

- RollInSeal B700 HD
- BrushSeal M600 BR
- PatchSeal M600 TG
- GeotexSeal B700 RF
- PMAE B700 Catalyst

COVERAGE

Dry Film Thickness (DFT)	Wet Film Thickness (WFT)	m ² / L
1.5 mm	2.20 mm	0.45

The membrane is firm to touch in one minute at 20°C 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.

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.

SUSTAINABILITY

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



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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)

PRODUCT INFORMATION

Property	SpraySeal™ F300 BG
Odor	None
Color	Brown to black
% Solids by weight	64 ± 3% (% by weight)
Packaging	205L Drum or 1000L Tote

For the use of Catalyst and mixing ratio, please refer to NaturaSeal® Technical Guidelines.

TECHNICAL INFORMATION

Property	Standard	SpraySeal™ F300 BG
Dry Film Thickness (DFT)	ASTM D5147	1.5 mm
Tensile strength	ASTM D412	50 PSI
Elongation	ASTM D412	>700 %
Resistance to hydrostatic head	ASTM D5385	69 PSI
Recovery	ASTM D412	>90 %
VOC	BS EN ISO 11890-1:2007	<1.0 g / L
Formaldehyde concentration	ASTM D6191-97 (R2021)	<10 ppm
Low temperature flexibility	ASTM D5147	-25°C
Water Vapour Permeance	ASTM E96, method B	<1 Perm
Crack cycling / Crack bridging	ASTM C836 ¹	Pass
Self Sealability	ASTM D1970	Pass

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. 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.

PIONEERING THE FUTURE TODAY

AFFILIATES



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