

Air Barrier NS-A250-HP™ Brush-Grade

Fluid-Applied, Permeable Membrane

TECHNICAL DATA SHEET A250BG082525NNA01

DESCRIPTION

Air Barrier NS-A250-HP™ Brush-Grade is an elastomeric asphalt based coating for Institutional, Commercial and Residential Weather Resistant barrier applications. NS-A250-HP™ Brush-Grade is weather resistant, water-proof, vapour resistant, UV stable, eco-friendly, and safe to use. NS-A250-HP™ Brush-Grade is a highly versatile elastomeric coating that is cold-applied using a brush and roller. With its unsurpassed ability to expand and contract, it can easily withstand all weather conditions.

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

- Suitable for most materials, including wood, insulation, foam, fibre board, and more
- Elongates up to 486%, with 95% recovery
- Can withstand temperature changes and surface shifts without cracking or straining
- Self-heals if punctured
- Environmentally friendly, and free of toxins and VOCs
- Acts as an accessory to rain screen systems
- Seamless and monolithic membrane

INSTALLATION



BRUSH APPLIED

APPLICATION

- Residential / Commercial
- Mid/High Rise
- Passive Homes

HEALTH SAFETY AND ENVIRONMENT

Air Barrier NS-A250-HP™ Brush-Grade 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

- BrushSeal HB-600-BR
- PatchSeal PS-700-TG
- NS-200R Geotextile Fabric
- TD-100 Sealant
- NS-BST Seam Tape

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.



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
35 Mills	29.79

Air Barrier NS-A250-HP™ Brush-Grade dries to the touch in one minute @ 20°C (68°F) and is completely cured in 48 hrs. This curing time may vary depending on temperature and relative humidity.

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.

STORAGE AND USE

- Ensure lids to pails 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).
- NS-A250-HP™ Brush-Grade is designed to serve a protective function rather than an aesthetic one.

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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

Physical Properties	Typical Results
Specific Gravity (liquid)	Approx. 1.0
Odour	None
VOC	Contains no solvents
Colour	Brown to black
% Solids (wt.)	62 +/- 3%
Viscosity, Brookfield, sp. #5, 20 rpm	8,000-9,000
pH	10-12

TECHNICAL INFORMATION

Performance (Cured Membrane)	ASTM Method	Typical Results
Thickness (mm)(mils)	D5147	.88mm / 35mils
Impact Resistance	CSB 37-GP-56 @	23°C = Passed, 73.4°F = Passed
Water Tightness after Impact		Passed (No Leakage)
Tensile Adhesion Properties of Rigid Cellular Plastics	D1623	Passed
Tensile Strength	D412, psi	95
Elongation %	D412, psi	486%
Adhesion to Concrete Strength	C907 (Amended to tensile adhesion), psi	111
Accelerated Weathering	D155, D412	Passed (No Deterioration of Film)
Low Temperature Flexibility	CAN/CGSB 37.58 - M86	No Cracking Observed
Air Permeance Criteria Specified	E2178-13	0.0062 L/s.m ² , 0.0012 cfm/ft ²
Air Leakage (ABAA)	E2357-17	0.0358 L/s.m ² , 0.0072 cfm/ft ²
Water Penetration Resistance	E331-00	Passed
Water Vapour Permeance Specified	ASTM E96 - 16 (Water)	423.4 Ng/PA.s.M2, >10 US Perms
Crack Bridging	CAN/CGSB 37.58-M86 & C1305	No Crack Bridging Observed
Biological Resistance	E154, D412	Passed (>90% Original Value)
Self Sealability	D1970	Passed
Hardness, durometer type 00		85-87
EIFS Adhesive for Bond Strength	CAN-ULC-S716.2	Passed
Standard for Air Barrier Assemblies	CAN-ULC-S742-11	Passed A1
Surface Burning Characteristics	CAN/ULC-S102.2	Less than 25 Flame Spread/ Less than 250 Smoke Development
Surface Burning Characteristics	UL 723 (E84)	Passed Class A
Fire Test Method	NFPA 285	Passed - Contact NaturaSeal for more info

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.

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



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