

NaturaFlow 7000™ Drainage Board

Heavy Duty Vertical Drainage Applications with Waterproofing

TECHNICAL DATA SHEET NFDD062525NNA01

DESCRIPTION

NaturaFlow 7000™ Drainage Board is a high performance, 3-dimensional drainage composite with three layers. It consists of a dimpled drainage core and two layers of high strength polypropylene (PP) geotextile. One geotextile (black) is heat-bonded to dimples, the other geotextile (white) is fully adhered to the backside of the drainage core. This provides a smooth surface for the application of liquid applied waterproofing membrane. The drainage core is made from a special high-density polyethylene (HDPE) that provides high-impact and tear-resistance, and is unaffected by environmental stress-cracking. The non-clogging geotextile is fully bonded to the dimpled drainage core, which prevents it from being pushed into the flow channels.

NaturaSeal® - TRIPLE LOCK MECHANISM

NaturaFlow 7000™ Drainage Board composite and protection panel provides a triple lock mechanism at each seam with its exclusive pressure sensitive edge. It is the ideal solution for applications in high water tables with high levels of hydrostatic pressure.



BENEFITS

- Relieve hydrostatic pressure buildup
- High impact and tear resistance
- Unaffected by environmental stress-cracking
- Excellent visual aid for installers
- Easy and quick to install in all details
- Rot proof drainage and protection panel

INSTALLATION



ROLL

APPLICATION

- Vertical and Horizontal Drainage Panel
- Vertical and Horizontal Protection Panel
- Blindside Waterproofing
- Surface Carrier for Liquid Waterproofing

SUSTAINABILITY

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



COMPONENTS

NaturaFlow 7000™ Drainage Board is used as an ancillary in combination with all NaturaSeal Cold-Applied PMAE™ series of products.

QUALITY MANAGEMENT

NaturaSeal® stands confidently behind every product with high standards of quality, and satisfying strict underwriting criteria. We operate a high level quality assurance, quality control audits and health and safety management system to ensure compliance with the technical specifications.

- Please refer to NaturaSeal for the most up-to-date Product Data Sheet (PDS).
- All NaturaSeal Safety Data Sheet (SDS) 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.

STORAGE AND USE

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

HEALTH SAFETY AND ENVIRONMENT

The materials do not contain any substance likely to be detrimental to health or to the environment 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 during high wind
- Do not expose materials to acid and solvent base chemicals
- 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).

COVERAGE

Size	Weight
7.48' x 50'	39 kg

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TECHNICAL PROPERTIES

Drainage Core	ASTM Method	Results	tol
Raw material		HDPE (black colour)	
Dimple height		approx 2/5"	
Studs for square meter (n/m²)		2500	
Drainage core Max. Tearing Strength (N)	D 5884-04	>100 (CMD); >180 (MD)	
Filter Geotextiles	PP Non-Woven		
Black Fabric:			
Raw material			
Grab tensile Strength	D 4632	>0.36 kN / >80 lbs	
Grab tensile elongation	D 4632	50%	
AOS	D 4751	0.33 mm / 50 US Sieve	
CBR puncture	D 6241	>0.76 kN / >170 lbs	
Trapezoid tear strength	D 4533	0.11 kN / 25 lbs	
Water flow rate	D 4491	150 gpm/sqft	
Permittivity	D 4491	1.70 1/s	
Weight	D 45261-92	110 g/m²	
White Back Sheet Fabric (NS-200R):			
Raw Material	White fabric is at least 10 cm wider than the full width of the plastic		
Physical/Mechanical Characteristics			
Thickness	D 1777	10.5 mm / 0.4 in	
Compressive strength	D 1621	350 kN/m² / 7300 psf	
Drain flow capacity MD, i = 1	D 4716	21 gal/(ft*min)	-20%
Drain flow capacity MD, i = 0.1	D 4716	6.3 gal/(ft*min)	-20%
Standard Dimensions			
Roll width (dimple area)		7.2 ft	± 3%
Roll width with plastic flat tab		7.5 ft	± 3%
Roll length		50 ft	± 2%
Roll diameter		18 in	± 0.5%
Rolls/pallet (40" x 48")		6 per piece	

*final pallet configuration to be confirmed

Service Life Expectancy : according to EN ISO 13252 product is predicted to be durable in natural soil with pH between 4 and 9 and temperature below 77°F / 25°C for minimum 25 years and product to be covered after installation within 1 month.

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 in force.

AFFILIATES



PIONEERING THE FUTURE TODAY

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