

Designed for Heavy Duty Vertical and Horizontal Substructure Applications with Hydrostatic.

**MATERIAL**

NaturaSeal uses a specially formulated Polyethylene that provides a high environmental stress crack resistance to alkalines and acids found in the soil. In addition, **NaturaHD Pro** is made from 100% Virgin HDPE resin. Our special extrusion process utilizes low heat and low shear to prevent heat degradation in the final product. The use of antioxidants and lubricants further ensure a smooth, superior quality membrane that outperforms the competition.

**PROPERTIES**

**NaturaHD Pro** has been specifically designed for use in pre-applied vertical and horizontal bonded applications with NaturaSeal's SpraySeal NS-F300-BGE liquid applied waterproofing. The white Geotextile is fully heat bonded to provide for easy application of the liquid waterproofing membrane. With its exclusive self-adhering edge, **NaturaHD Pro** provides a triple lock system at each seam, creating a seamless and monolithic membrane. **NaturaHD Pro** is the ideal solution for applications in high water tables with high levels of hydrostatic pressure.

**APPLICATION**

**NaturaHD Pro** is suitable for both vertical and horizontal pre-applied bonded applications within the substructure. It is ideal for the application of liquid-applied waterproofing and is specifically designed to function as a carrier for the SpraySeal NS-F300-BGE liquid waterproofing system. The liquid waterproofing is easily applied to the white Geotextile that provides excellent visual aid for the waterproofing installer to ensure proper continuity and membrane thickness.

**TECHNICAL DATA**

HDPE CORE	Description	IMPERIAL	METRIC
Colour	Clear		
Dimensions (W x L)		6'4" x 100 ft	1.95 x 30.48 m
Thickness		20 – 22 thou	0.5 – 0.55 mm
Vapor Permeance		<.3716grams/sq <sup>2</sup> /day	<4grams/m <sup>2</sup> /day
Temperature Range		-13°F to 158°F	-25°C to +70°C
Chemical Properties	ASTM D 4703-16	Superior ESCR	
Toxicity	Non-Toxic		
Service Life Expectancy	>50 Years		
Material	Polyethylene		
FILTER FABRIC	NON-WOVEN		
Colour	White		
Grab Tensile Strength	ASTM D 4632	90 lbs	0.401 kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	40 lbs	0.178 kN
CBR Puncture Resistance	ASTM D 6241	265 lbs	1.178 kN
Permittivity	ASTM D 4491	2.0 sec <sup>-1</sup>	2.0 sec <sup>-1</sup>
Water Flow	ASTM D 4491	150 gpm/ft <sup>2</sup>	6095 l/min/m <sup>2</sup>
Apparent Opening Size (AOS)	ASTM D 4751	50 Std. U.S. Sieve	0.300 mm
UV Resistance	ASTM D 4355	70%/500 hrs	70%/500 hrs
COMPOSITE SYSTEM			
Roll Size		6'4 x 100 ft	1.95 x 30.48 m
Roll Weight		44 lbs	20 kg
ADHESIVE TAPE			
Colour	Black		
Thickness		8.5 mils	0.2159 mm
Service Temperature		-40°F to 180°F	-40°C to 82°C

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**Corporate office:**

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

[info@naturaseal.com](mailto:info@naturaseal.com)

[www.naturaseal.com](http://www.naturaseal.com)