NOPHADRAIN®
SMART GREEN ROOF SYSTEMS

DECLARATION OF PERFORMANCE

Nr. DoP220-008

1. Unique identification code of the product-type :

ND 220

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):

Batch No. see packaging of the product

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use in drainage systems as filter, separation and drainage layer (F+S+D). EN 13252:2016

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):

Nophadrain BV
Mercuriusstraat 10
6468 ER KERKRADE, The Netherlands
info@nophadrain.nl
+31 (45) 5355030

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2):

not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR Annex V:

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Notified body No. 799 Kiwa MPA Bautest GmbH performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control Nr. 0799-CPR-26

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

not applicable

9. Declared performance

Essential characteristics		Performance		Harmonised technical specification
Tensile strength (EN ISO 10319)	MD	8 kN/m	(-0,8 kN/m)	EN 13252:2016
	CMD	8 kN/m	(-0,8 kN/m)	
Elongation at maximum load (EN ISO 10319)	MD	30 %	(+/-15 %)	
	CMD	30 %	(+/- 15 %)	
Static puncture (CBR test) (EN ISO 12236)		1,5 kN	(-0,15 kN)	
Dynamic perforation resistance (cone drop test) (EN ISO 13433)		38 mm	(+8 mm)	
Characteristic opening size (EN ISO 12956)		150 µm	(+/-50 µm)	
Water permeability normal to the plane (EN ISO 11058)		0,1 m/s	(-0,03 m/s)	
Waterflow capacity in the plane for i=1 / 20 kPa (EN ISO 12958 soft/soft)		5,31 $10^{-3}m^2/s$	(-1,59 $10^{-3}m^2/s$)	
Durability (EN 13252, annex B)		To be covered within 1 month		
		Predicted to be durable for a minimum of 5 years in natural soils with 4 < pH < 9 and soil temperatures of < 25° C.		

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of manufacturer by:

Kerkrade, 2-4-2025

Thorsten Schneider (Managing Director)