

## **DECLARATION OF PERFORMANCE (DoP)**

N° DoP: DRE-001

22/02/2021

VERSION 05

**1. Unique identification code of the product-type:**

HDPE NODULAR SHEET WITH GEOTEXTILE

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

DANODREN H15 PLUS

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

HDPE nodular sheet with polypropylene geotextile for application in drainage systems.

Intended uses: "F+S+D"

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

DANOSA- POL. IND. SECTOR 9-19290 FONTANAR-GUADALAJARA-SPAIN

Tel.: +34 949 88 82 10 - info@danosa.com

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

Not applicable

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

2+

**7. Products covered by a harmonised standard: Name and number of the notified body / performed / Under system (1 +, 1, 2 +, 3) / certificate number and date of grant:**

AENOR:0099

Evaluation of Factory Production Control

System 2 +

Certificate of Factory Production Control, number and date: 0099/CPR/A42/0053 - 14/01/2008

8. Declared performance:

Essential Characteristics	Performance	Harmonized Technical Specification
<b>Tensile strength. :</b>		EN-13252:2016
<b>Maximum tensile force L*, (N/mm<sup>2</sup>)</b>	15,0 (-4,0)	
<b>Maximum tensile force T*, (N/mm<sup>2</sup>)</b>	11,0 (-4,0)	
<b>Elongation L*, (%)</b>	70 ± 15	
<b>Elongation T*, (%)</b>	65 ± 15	
<b>Static puncture resistance (CBR), (kN)</b>	2,0 (-0,5)	
<b>Dynamic puncture resistance (cone) , (kN)</b>	10 (+5)	
<b>Aperture measurement, (µm)</b>	87,5 (+/-42,5)	
<b>Water permeability, (m/s)</b>	0,11 (-0,033)	
<b>Water flow capacity in the plane, q=20 kPa, i=1 (m<sup>2</sup>/s)</b>	0,002 (-0,0002)	
<b>Durability, (years)</b>	>25; natural soil; 4<pH<9;T<25°C	

L\* means longitudinal direction , T\* means transverse direction

The performances of the product identified in points 1 and 2 are in conformity with the declared performance in point 8.

This DoP is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

Name and function	Place and Date of issue	Signature
Carlos Castro Martín, technical responsible	Fontanar 22/02/2021	