

Performance declaration 1023 – CPR – 0073 F/d - DP018EN1843300

1. **Unique identification code for the product – type:** Bentotelo.
2. **Type number, batch, series or any other element that allows to identify the construction product pursuant to article 11 (4):**
 Product name: Bentotelo.
 Date and production batch are printed on the packaging.
 Commercialisation establishment: Diasen S.r.l. - zona Ind.le Berbentina, 5 – 60041 Sassoferrato (AN).
3. **Intended use or uses of the construction product, conformely to its relative specific harmonized technique, as intended by the manufacturer:**
 EN 13361 – Geosynthetics with barrier function – Requested characteristics for the use of the product in dams and reservoirs construction.
 EN 13362 - Geosynthetics with barrier function – Requested characteristics for the use of the product in channel construction.
 EN 13491 - Geosynthetics with barrier function – Requested characteristics for the use of product in galleries and associated underground structures construction as fluid barriers.
 EN 13492 - Geosynthetics with barrier function – Requested characteristics for the use of the product in landfill waste disposals and secondary liquid waste transferring or containment buildings construction.
 EN 13493 - Geosynthetics with barrier function – Requested characteristics for the use of the product in solid waste accumulation and disposal landfill construction.
4. **Name, registered trade name or trademark and address of who sells the product pursuant to article 11 (5):**
 Diasen Srl - Zona Industriale Berbentina, 5 - 60041 Sassoferrato (AN) – www.diasen.com
5. **If necessary, name and address of the agent who, with its mandate, covers the tasks referred to in Article 12, paragraph (2):**
 non applicable.
6. **Assessment and verifying system or systems about the consistency of the construction product’s performances referred to in Annex V:**
 2+ system.
7. **In case of a performance declaration referred to a construction product that falls under the application of an harmonized norm:**
 Institute for Testing and Certification, Inc., Slin, Czech Republic – Num. identificativo: 0068.
 Has carried out:
 1. Initial inspection of the production plant and of the plant’s control production;
 2. Continuous surveillance, assessment and verify of the plant’s control production according to 2+ system and it has been released a conformity certification regarding the plant’s control production n. 1023 – CPD – 0073 F/d.
8. **Declared performance:**

Essential characteristics	Performance	Testing methodology
Swelling index	> 30 ml / 2 g	ASTM D 5890
Water absorption	> 550%	DIN 18132
Moisture content	max 12%	-
Permeability	$\leq 1,20 \times 10^{-11}$ m/s	ASTM D 5887
Traction resistance longitudinal	$\geq 10,40$ kN/m	EN ISO 10319
transversal	$\geq 10,40$ kN/m	
Adhesion to concrete	2,50 kN/m	ASTM D903

Punching resistance	2,50 kN	EN ISO 12236
---------------------	---------	--------------

Essential characteristics	Performance	Test methodology
Content of montmorillonite	> 90%	-
Hazardous substances	See safety data sheet	CE regimation n. 1272/2008

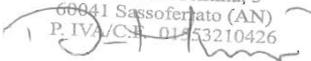
9. The product performance referred to in points 1 and 2 is conform to the declared performance cited on point 8. It will be released the following performance declaration under the exclusive manufacturer's responsibility cited on point 4.

Signed on behalf of: Diego Mingarelli – legal representative

Sassoferrato, 17/12/2010

R04_7.2_SGQA rev. 0 of 30/06/2013

DiaSen srl
Z. Ind.le Berbentina, 5
60041 Sassoferrato (AN)
P. IVA/C.F. 01553210426



 <p>1023</p>	 <p>Zona Industriale Berbentina, 5 60041 Sassoferrato (AN) – Italy www.diasen.com</p>																						
<p style="text-align: center;">10 CPR – 0073 F/d</p> <p style="text-align: center;">EN 13361 EN 13362 EN 13491 EN 13492 EN 13493</p> <p style="text-align: center;">BENTOTELO</p> <p><i>Geosynthetics with barrier function – Requested characteristics for the use of the product in dams and reservoirs construction.</i></p> <p><i>Geosynthetics with barrier function – Requested characteristics for the use of the product in channel construction.</i></p> <p><i>Geosynthetics with barrier function – Requested characteristics for the use of product in galleries and associated underground structures construction as fluid barriers.</i></p> <p><i>Geosynthetics with barrier function – Requested characteristics for the use of the product in landfill waste disposals and secondary liquid waste transferring or containment buildings construction.</i></p> <p><i>Geosynthetics with barrier function – Requested characteristics for the use of the product in solid waste accumulation and disposal landfill construction.</i></p> <table border="0"> <tr> <td>Swelling index</td> <td>> 30 ml / 2 g</td> </tr> <tr> <td>Water absorption</td> <td>> 550%</td> </tr> <tr> <td>Humidity content</td> <td>max 12%</td> </tr> <tr> <td>Permeability</td> <td>≤ 1,20 x 10⁻¹¹ m/s</td> </tr> <tr> <td>Traction resistance</td> <td></td> </tr> <tr> <td> Longitudinal</td> <td>≥ 10,40 kN/m</td> </tr> <tr> <td> Transversal</td> <td>≥ 10,40 kN/m</td> </tr> <tr> <td>Adhesion to concrete</td> <td>2,50 kN/m</td> </tr> <tr> <td>Punching resistance</td> <td>2,50 kN</td> </tr> <tr> <td>Content of montmorillonite</td> <td>> 90%</td> </tr> <tr> <td>Hazardous substances:</td> <td>see the safety data sheet.</td> </tr> </table>		Swelling index	> 30 ml / 2 g	Water absorption	> 550%	Humidity content	max 12%	Permeability	≤ 1,20 x 10 ⁻¹¹ m/s	Traction resistance		Longitudinal	≥ 10,40 kN/m	Transversal	≥ 10,40 kN/m	Adhesion to concrete	2,50 kN/m	Punching resistance	2,50 kN	Content of montmorillonite	> 90%	Hazardous substances:	see the safety data sheet.
Swelling index	> 30 ml / 2 g																						
Water absorption	> 550%																						
Humidity content	max 12%																						
Permeability	≤ 1,20 x 10 ⁻¹¹ m/s																						
Traction resistance																							
Longitudinal	≥ 10,40 kN/m																						
Transversal	≥ 10,40 kN/m																						
Adhesion to concrete	2,50 kN/m																						
Punching resistance	2,50 kN																						
Content of montmorillonite	> 90%																						
Hazardous substances:	see the safety data sheet.																						