

## **DECLARATION OF PERFORMANCE No. 023-CPR/2016**

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

**HDPE POLYMERIC  
GEOSYNTHETIC BARRIER SMOOTH  
GEOSTAR 1000**

**2. Purpose and application scale of a building product:**

For use in the construction of reservoirs and dams, canals, tunnels and associated underground structures, liquid waste disposal sites transfer stations or secondary containment, solid waste storage and disposal sites.

**3. Manufacturer:**

FOLIAREX Sp. z o. o.  
69-100 Słubice  
ul. Osiedle Przemysłowe 22  
Poland

**Place of manufacture:**

FOLIAREX Sp. z o. o.  
69-100 Słubice  
ul. Osiedle Przemysłowe 22  
Poland

**4. System of attestation and verification of constancy of performance: 2+**

**5. Harmonised standards:**

PN-EN 13361:2006/A1:2007  
PN-EN 13362:2007  
PN-EN 13491:2006/A1:2007  
PN-EN 13492:2006/A1:2007  
PN-EN 13493:2007

**6. Notified Body no. 1023 – INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI a. s, performed initial type testing under system 2+ and issued CERTIFICATE OF CONFORMITY OF THE FACTORY No. 1023-CPR-0302 F.**

## 7. Declared performance of the GEOSTAR 1000:

Essential characteristics	Unit	Functional properties	Harmonized Standard
Tensile strenght: - MD - CMD	[MPa]	25 (-3) 25 (-3)	PN-EN 13361:2006/A1:2007 PN-EN 13362:2007 PN-EN 13491:2006/A1:2007
Elongation : - MD - CMD	[%]	≥ 500 ≥ 500	PN-EN 13492:2006/A1:2007 PN-EN 13493:2007
Resistance to static puncture (CBR)	[kN]	2,4 (-0,5)	
Water permeability	[m <sup>3</sup> m <sup>-2</sup> dzień <sup>-1</sup> ]	< 10 <sup>-6</sup>	
Resistance to weathering	-	Pass	
Resistance to oxidation	-	Pass	
Resistance to environmental stress cracking	[h]	>336	
Dangerous substances	-	No contains	
Gas permeability-methane	[m <sup>2</sup> Pa <sup>-1</sup> s <sup>-1</sup> ]	≤ 6x10 <sup>-18</sup>	PN-EN 13492:2006/A1:2007 PN-EN 13493:2007

***The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance 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:

PELNOMOCNIK ZARZĄDU  
DS. JAKOŚCI I CERTYFIKACJI  
  
mgr inż. Anna Rakowska

**Słubice, 01. 03. 2016**