

DECLARATION OF PERFORMANCE No. 024-CPR/2016

1. Unique identification code of the product-type:

**HDPE POLYMERIC
GEOSYNTHETIC BARRIER SMOOTH
GEOSTAR 1500**

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 1500:

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 PN-EN 13492:2006/A1:2007 PN-EN 13493:2007
Elongation : - MD - CMD	[%]	≥ 500 ≥ 500	
Resistance to static puncture (CBR)	[kN]	2,9 (-0,5)	
Water permeability	[m ³ m ⁻² dzień ⁻¹]	< 10 ⁻⁶	
Resistance to weathering	-	Pass	
Resistance to oxidation	-	Pass	
Resistance to environmental stress cracking	[h]	>336	
Dangerous substances	-	No contains	
Gas permeability-methane	[m ² Pa ⁻¹ s ⁻¹]	≤ 6x10 ⁻¹⁸	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