

Declaration of performance: No. 0042-CPR-2023/09/20

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| 1) Unique identification code of the product-type | <i>VOLGRIP EP - Environmental Protection</i> |
| 2) Use and intended uses of the construction product, in compliance with the relative harmonised technical specification, as established by the manufacturer | <i>Geosynthetic bentonite with barrier function (GBR-C) to be used as a barrier to fluids in the construction of basins and dams, canals, landfills and works for the transfer or secondary containment of liquid waste, solid waste landfills and support infrastructures</i> |
| 3) Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) | <i>VOLTECO S.p.A. - Via delle Industrie, 47 - Ponzano Veneto (Italy) www.volteco.com</i> |
| 4) System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in annex V | <i>System 2+</i> |
| 5) In case of the declaration of performance concerning a construction product covered by a harmonised standard | <i>Notified body ITB identification n° 1488 performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment and evaluation of FPC and issued the certificate of conformity of the FPC n° 1488-CPR-0638/Z. In case of the declaration of performance (DOP) concerning a construction product covered by the harmonized standards: EN 13361:2004, EN 13361:2004/A1:2006, EN 13362:2005, EN 13492:2004, EN 13492:2004/A1:2006, EN 13493:2005, EN 15382:2013</i> |
| 6) Declared performance: | |



Performance specifications	Performance average value	Performance tolerance/*Minimum Value Declared	Test method
<i>MD tensile strength</i>	8.5 kN/m	± 0,85 kN/m	EN ISO 10319
<i>CMD tensile strength</i>	8.5 kN/m	± 0,85 kN/m	EN ISO 10319
<i>Resistance to static punching</i>	1.8 kN	± 0,18 kN	EN ISO 12236
<i>Hydraulic capacity</i>	6x10-09 m ³ /m ² /s	+0.5x10-09 m ³ /m ² /s	EN 16416
<i>Duration (Annex B)</i>	To be checked within one day of installation. Minimum duration of 25 years on natural soils with pH between 4 and 9 and temperature of less than 25 °C.		

7) The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

13361-2018 Barriers to fluids in the construction of reservoirs and dams

13362-2018 Fluid barriers and as water separation layers in canal construction

13492-2018 Fluid barriers and separation layers in the construction of landfills for disposal, transfer works or secondary containment of liquid waste

13493-2018 Fluid barriers and separation layers in the construction of solid waste landfills

15382-2018 Fluid barriers and separation layers in infrastructure works, for example roads, railways, airport runways

Signed for and on behalf of the manufacturer by **Marco Ruzzier** Laboratory Manager

(name and function)

Ponzano Veneto, 2023/09/20 -----

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