



DECLARATION OF PERFORMANCE

TM PolyMesh® Polymer fibers (macrofibers)

Declaration of Performance

- 1. Product Type:**
Unique identification code of the product-type: **TM PolyMesh®**
- 2. Type, batch or serial number or any other element allowing identification of the construction product:**
Polymer fibers (macrofibers), Class II according to EN 14889-2: 2006
Refer to the batch quality certificate issued by the manufacturer
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:**
Polymer fibers, **TM PolyMesh®** are intended to be used as ground supported slabs, joint less floors and jointed floors, external roads and pavements, manhole covers, residential application and tunnel application.
Polymer wavy fibers, **TM PolyMesh®** are designed specifically for the reinforcement of concrete, mortars and other cementitious mixes (construction application is understood, that the effect of additional fibres is included as contribution to essential carrying capacity of concrete members).
- 4. Name, registered trade name or registered trade mark and contact address of the manufacturer:** **LLC CLIGHT GROUP**
(www.fibermix.ua)
- 5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified:** 98 V. Sukhomlinsky str.,
52005 Dnipropetrovsk region,
Dniprovskiy district, Slobozhanske town,
Ukraine
- 6. AVCP:**
System or systems of assessment and verification of constancy of performance (AVCP) of the construction product: **System 1**
- 7. Notified body (hEN):**
In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard: **1301 TECHNICKÝ A SKÚŠOBNÝ ÚSTAV STAVEBNÝ, n. o. BUILDING TESTING AND RESEARCH INSTITUTE, Slovak Republic**
Studená 3, 821 04 Bratislava
Product Certification Body

Notified factory production control certification body No.1301 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued
Certificate of Consistency of Performance
1301 – CPR – 2125
and
REPORT of Certification of constancy of performance
No. C04/22/0166/20/CB

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8. Notified body (ETA):

In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued: not relevant

9. Declared performance

Polymer fibres (monofilaments) TM PolyMesh®

Basic material – polypropylene macrofibers of irregular cross section, Equivalent diameter of 0,32 mm, length of 24 mm

Characteristics	Performance	Harmonized technical specification
Tensile strength R_m	average value 400 MPa \pm 7,5 %	5.4 EN 14889-2:2006
Effect on consistence of concrete:	Consistence with 3 kg/m ³ of fibers: average VeBe time 7 s	5.7 EN 14889-2:2006 EN 12350-3 (VeBe test)
Effect on strength of concrete:	Effect on strength of concrete: 3 kg/m ³ to obtain 1,5 N/mm ² at CMOD = 0,5 mm and 1,0 N/mm ² at CMOD = 3,5 mm	5.8 EN 14889-2:2006
Length L	average value 24 mm \pm 5 %	5.3.2 EN 14889-2:2006
Equivalent diameter D	average value 0,32 mm \pm 5 %	5.3.3 EN 14889-2:2006
Length/diameter ratio λ	average value 75 \pm 7,5 %	5.3.1 EN 14889-2:2006

Polymer fibres (monofilaments) TM PolyMesh®

Basic material – polypropylene macrofibers of irregular cross section, Equivalent diameter of 0,32 mm, length of 54 mm

Characteristics	Performance	Harmonized technical specification
Tensile strength R_m	average value 400 MPa \pm 7,5 %	5.4 EN 14889-2:2006
Effect on consistence of concrete:	Consistence with 3 kg/m ³ of fibers: average VeBe time 7 s	5.7 EN 14889-2:2006 EN 12350-3 (VeBe test)
Effect on strength of concrete:	Effect on strength of concrete: 3 kg/m ³ to obtain 1,5 N/mm ² at CMOD = 0,5 mm and 1,0 N/mm ² at CMOD = 3,5 mm	5.8 EN 14889-2:2006

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Length L	average value 54 mm \pm 5 %	5.3.2 EN 14889-2:2006
Equivalent diameter D	average value 0,32 mm \pm 5 %	5.3.3 EN 14889-2:2006
Length/diameter ratio λ	average value 168 \pm 7,5 %	5.3.1 EN 14889-2:2006

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with Regulation (EU) № 305/2011, under the sole responsibility of the manufacturer identified above.
Signed for and on behalf of the manufacturer by:



Director of LLC CLIGHT GROUP

Hasiukevych A.S.

Dnipro, March 7th, 2023
 **FIBERMIX**[®]