



Statement of Performance

Ref. no.: 131
Englisch / English

Microfibres as monofilaments in class Ia (DIN EN ISO 14889-2) with the trade names / product code no:

1) Trade names	(2) Product code no.
----------------	----------------------

PB EUROFIBER REF 502 (1)	F-C714
PB EUROFIBER REF 505 (1)	F-0570 / F-5700
PB EUROFIBER REF 506 (1)	F-0782 / F-7820
PB EUROFIBER HPR 506 15/6 (1)	F-1763 HPR
PB EUROFIBER HPR 506 20/6 (1)	F-0782 HPR / F-7820 HPR
PB EUROFIBER MF 1217 (1)	F-2190
PB EUROFIBER REF 512 (1)	F-0781
PB EUROFIBER REF 520 (1)	F-0780 / F-7800
PB EUROFIBER PRO-MIX 2 identical to PB EUROFIBER AUSTROFASER 32/2 (2)	F-2066
PB EUROFIBER PRO-MIX 6 identical to PB EUROFIBER AUSTROFASER 32/6 (2)	F-2069
PB EUROFIBER PRO-MIX HPR 32/6 (2)	F-2069 HPR
PB EUROFIBER PRO-MIX 12 identical to PB EUROFIBER AUSTROFASER 32/12 (2)	F-2067
PB EUROFIBER PRO-MIX 18 identical to PB EUROFIBER AUSTROFASER 32/18 (2)	F-2068

(3) For weight-bearing purposes in concrete, mortar and grout

(4) **baumhüeter extrusion GmbH**
Lüternweg 186
33378 Rheda-Wiedenbrück
Germany

(6) System 1

(7) The notified office, MPA Darmstadt 1343, an institute belonging to the Technical University of Darmstadt, has performed the initial inspection of the factory and the internal factory production control as well as the ongoing monitoring, assessment and evaluation of the internal factory production control according to System 1.

Certificate of conformity for internal factory production control: MPA 1343

(8) Not relevant

(9) Declared performance:

Basic features of microfibres	Performance	Harmonised technical specification
Polymer type	100 % PP	DIN EN ISO 14889-2
Length	2 - 20 mm	DIN EN ISO 14889-2
Diameter	15 - 32 µm 1.7 – 7.2 dtex	DIN EN ISO 14889-2
Form	Round	DIN EN ISO 14889-2
Tensile strength (1) Tensile strength (2)	> 270 N/mm ² (3 cN/dtex) > 130 N/mm ² (1,5 cN/dtex)	DIN EN ISO 14889-2 DIN EN ISO 14889-2
Elasticity module (1) Elasticity module (2)	> 500 N/mm ² > 500 N/mm ²	DIN EN ISO 14889-2 DIN EN ISO 14889-2
Vebe time	Dependant on dosing and fibre diameter (on request)	DIN EN ISO 14889-2

(10) The performance of the products according to numbers 1 and 2 corresponds with the declared performance according to number 9. The manufacturer according to number 4 is solely responsible for preparing this statement of performance.

Signed for the manufacturer and on behalf of the manufacturer by:

Peter H. Baumhüter, management board



Certificate of constancy of performance

Nr. 1343-CPR-B 501-Z/12.14

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR) this certificate applies to the construction product

“PB EUROFIBER-Fasern” for application in concrete

placed on the market by

baumhüter extrusion GmbH
Lüternweg 186
D-33372 Rheda-Wiedenbrück

and produced in the manufacturing plant

baumhüter extrusion GmbH
Lüternweg 186
D-33372 Rheda-Wiedenbrück

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 14889-2:2006-11

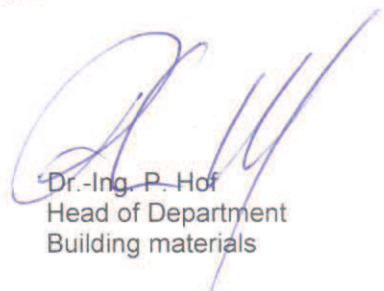
under system 1 for the performances set out in this certificate are applied and that the construction product fulfils all the prescribed requirements for these performances.

This certificate was first issued on 04/05/2015 and will remain valid as long as the harmonised standard remains valid and the construction product and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body. This certificate is only valid in combination with the last inspection report.

04/05/2015


Dr.-Ing. J. Beyer
Head of the notified certification body




Dr.-Ing. P. Hof
Head of Department
Building materials



MPA 1343

baumhueter extrusion GmbH

Lüternweg 186
33378 Rheda-Wiedenbrück
Germany

12

EN 14889 – 2

Polymer fibres for weight-bearing purposes in concrete, mortar and grout

PB EUROFIBER

Type of polymer: polypropylene
Class I a (microfibres as monofilament)
Length: 2 to 20 mm
Diameter: 15 to 32 µm (1.7 to 7.2 dtex)
Cross-section: round
Tensile strength (1): min. 270 N/mm² (3 cN/dtex)
Tensile strength (2): min. 130 N/mm² (3 cN/dtex)
Modulus of elasticity (1): > 500 N/mm²
Modulus of elasticity (2): > 500 N/mm²

(The values given above constitute average values.)

Consistency (relative to reference concrete without fibres exhibiting a Vebe time of 6 seconds):

Diameter [µm]	Count [dtex]	Length [mm]	Dosage [kg/m ³]	Vebe time [seconds]
15,4 (1)	1,7	2,2	0,5/1,0/2,0	0/+1/+2
18,3 (1)	2,4	4,6	0,5/1,0/2,0	+0,5/+1/+2
15,4 (1)	1,7	6,0	0,5/1,0/2,0	+0,5/+1,5/+2,5
19,8 (1)	2,8	6,0	0,6/1,0/2,0	0/+1/+2
15,4 (1)	1,7	12	0,5/1,0/2,0	+0,5/+1/+2,5
19,8 (1)	2,8	12	0,5/1,0/2,0	+ 0,5/+1/+2
19,8 (1)	2,8	18	0,5/1,0/2,0	+0,5/+1/+2
31,7 (2)	7,2	2,2	0,5/1,0/2,0	0/+1/+2
31,7 (2)	7,2	6,0	0,5/1,0/2,0	0/+0,5/+1
31,7 (2)	7,2	12	0,5/1,0/2,0	+0,5/+1/+2
31,7 (2)	7,2	18	0,5/1,0/2,0	0/+1/+2