

# Certificate of constancy of performance

No. 2873-CPR-451-01

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

**baumhueter extrusion GmbH  
Lümerweg 186  
D-33372 Rheda-Wiedenbrück**

and produced in the manufacturing plant

**baumhueter extrusion GmbH  
Lümerweg 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 are applied and that the construction product fulfils all the prescribed requirements for these performances.

This certificate was first issued on 16.11.2020 and will remain valid as long as the standard remains valid and the manufacturing conditions in the plant or the factory production control itself are not modified significantly, unless suspended or withdrawn by the product certification body.

Darmstadt, 16.11.2020

  
Prof. Dr.-Ing. Jörg Lange  
Head of the notified certification body



  
Dr.-Ing. habil. Felicitas Rädels  
Technical responsible.



## Inspektionsbericht (*Inspection report*) 21-23

### 1. Ausfertigung (*Copy*)

Auftraggeber: ( <i>Client</i> )	baumhueter extrusion GmbH, Lüternweg 186 33378 Rheda Wiedenbrück
Auftrag vom: ( <i>Order dated</i> )	30.10.2020 Bestell-Nr. oder Zeichen: ( <i>Order number or reference</i> )
Auftrag über: ( <i>Order for</i> )	Polymerfasern - Fremdüberwachung für das Jahr 2021 Polymer fibers – supervision audit for the year 2021
Herstellwerk: ( <i>Production plant</i> )	baumhueter extrusion GmbH Lüternweg 186 D-33378 Rheda Wiedenbrück
Vertrag: ( <i>contract</i> )	Nr. ( <i>no.</i> ) 451/10.2020
Datum der letzten Inspektion: ( <i>Date of last inspection</i> )	29.10.2020
Datum der Inspektion: ( <i>Date of inspection</i> )	02.11.2021
Umfang der Inspektion: ( <i>Scope of inspection</i> )	siehe Abschnitt 2 ( <i>see clause 2</i> ) Durchführung der Inspektion ( <i>Performance of inspection</i> )
Ausfertigungen / Verteiler: ( <i>Copies</i> )	1. Auftraggeber ( <i>Client</i> ) 2. Zertifizierungsstelle TU Darmstadt, IFSW ( <i>certification body TU Darmstadt, IFSW</i> )

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Seiten ( <i>Pages</i> ):	8
Tabellen ( <i>Tables</i> ):	--
Bilder ( <i>Figures</i> ):	--
Anlagen ( <i>Attachments</i> ):	1

Berichtsdatum: 18.11.2021  
(*Date of report*)

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IFSW 2873

**baumhueter extrusion GmbH**

Lüternweg 186  
33378 Rheda-Wiedenbrück  
Germany

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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  $\mu\text{m}$  (1.7 to 7.2 dtex)  
Cross-section: round  
Tensile strength (1): min. 270 N/mm<sup>2</sup> (3 cN/dtex)  
Tensile strength (2): min. 130 N/mm<sup>2</sup> (3 cN/dtex)  
Modulus of elasticity (1): > 500 N/mm<sup>2</sup>  
Modulus of elasticity (2): > 500 N/mm<sup>2</sup>

(The values given above constitute average values.)

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

Diameter [ $\mu\text{m}$ ]	Count [dtex]	Length [mm]	Dosage [kg/m <sup>3</sup> ]	Vebe time [seconds]
15,4 (1)	1,7	2,2	0,5/1,0/2,0	0/+1/+2
19,8 (1)	2,8	3,0	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
18,0 (1)	2,3	6,0	0,5/1,0/2,0	+0,5/+1,5/+2,0
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



# Statement of Performance

Ref. no.: 131  
Englisch / English

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

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

<b>PB EUROFIBER</b> REF 502 18/2 (1)	F-C714
<b>PB EUROFIBER</b> REF 503 20/3 (1)	F-0784
<b>PB EUROFIBER</b> REF 505 18/5 (1)	F-0570/F-5700
<b>PB EUROFIBER</b> REF 506 18/6 (1)	F-0783
<b>PB EUROFIBER</b> REF 506 20/6 (1)	F-0782/F-7820/F-704 C
<b>PB EUROFIBER</b> REF 512 20/12 (1)	F-0781
<b>PB EUROFIBER</b> REF 520 20/18 (1)	F-0780/F-7800
<b>PB EUROFIBER</b> MF 1217 15/12 (1)	F-2190
<b>PB EUROFIBER</b> PRO-MIX 32/2 identical to <b>PB EUROFIBER</b> AUSTROFASER 32/2 (2)	F-2066
<b>PB EUROFIBER</b> PRO-MIX 32/6 identical to <b>PB EUROFIBER</b> AUSTROFASER 32/6 (2)	F-2069
<b>PB EUROFIBER</b> PRO-MIX 32/12 identical to <b>PB EUROFIBER</b> AUSTROFASER 32/12 (2)	F-2067
<b>PB EUROFIBER</b> PRO-MIX 32/18 identical to <b>PB EUROFIBER</b> AUSTROFASER 32/18 (2)	F-2068
<b>PB EUROFIBER</b> HPR 15/6 (1)	F-1763 HPR
<b>PB EUROFIBER</b> HPR 20/6 (1)	F-0782 HPR/F-7820 HPR
<b>PB EUROFIBER</b> HPR 32/6 (2)	F-2069 HPR

(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, IFSW Darmstadt 2873, 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: IFSW 2873

(8) Not relevant

(9) Declared performance:

Basic features of microfibres	Performance	Harmonised technical specification
Polymer type	PP Polypropylene	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 <sup>2</sup> (3 cN/dtex) > 130 N/mm <sup>2</sup> (1,5 cN/dtex)	DIN EN ISO 14889-2 DIN EN ISO 14889-2
Elasticity module (1) Elasticity module (2)	> 500 N/mm <sup>2</sup> > 500 N/mm <sup>2</sup>	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

