



BENOR

BCCA

BENOR CERTIFICATE

issued on the basis of the provisions of the Implementation Rules for BENOR certification
of thermosetting pipes and accessories, TRA BB 652,

to the company

Amiblu Technology AS

Østre Kullerød 3, NO - 3241 Sandefjord,

for the production of

Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin for pressure and non-pressure water supply, drainage or sewerage

manufactured in the production unit

Amiblu Poland Sp. z o. o.

Koksownicza Str. 11, PL - 41-300 Dabrowa Górnicza,

in accordance with the

NBN EN ISO 23856: 2021 "Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage - Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin"

By issuing the certificate, BCCA declares that, on the basis of (I) the initial assessment of the product characteristics by means of testing; (II) the initial evaluation and acceptance of the quality assurance in production; (III) the regular external control of the implementation of the quality assurance processes and the control schemes agreed upon; (IV) regular control tests in a recognised external laboratory, sufficient confidence can be given to the measures taken by the certificate holder for guaranteeing conformity with the prescriptions.

The annex to this certificate gives the data with regard to the certified product. This document is an annex to the certificate and is authenticated by BCCA.

Following the issuing of this certificate and as long as it is maintained valid, BCCA grants the right to use the BENOR mark to the certificate holder. The proof of delivery of a product under the BENOR mark is given by a suitable identification on the product. The use of the BENOR mark does not relieve the certificate holder of his responsibilities with regard to the delivered product.

The validity of this certificate can be checked via www.bcca.be.

N° certificate BB-652-23091-23856-19536-50088 | Valid from 2022-09-15 until 2025-09-14

Issued in Brussels, on 03 May 2023.

ir. B. De Blaere,
President of the General
management Committee for
certification and approval

The BENOR mark is a registered collective mark, that is the property of the Bureau for Standardisation (NBN). The BENOR certification is a voluntary system that is established on the basis of a consensus between stakeholders and is a response on the request of the user to have sufficient certainty about the aspects with regard to, ex., quality, public security, suitability for use, health and the interests of the end users.

BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION NPO

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OPERATIONAL OFFICE : HERMESLAAN, 9 BE-1831 DIEGEM

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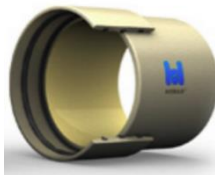

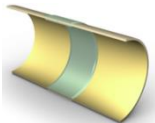
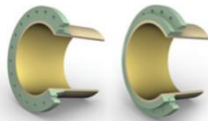


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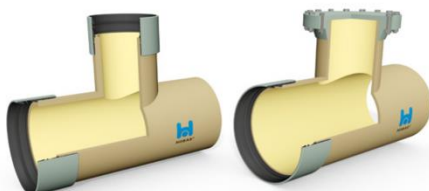


Annex to the BENOR Certificate BB-652-23091-23856-19536-50088

Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin for pressure and non-pressure water supply, drainage or sewerage

Version 1 of 3 May 2023


Hobas GRP piping system	
TYPES WHICH ARE PART OF THIS CERTIFICATE:	
Hobas pipes DN150-3600mm with following joint types:	
<ul style="list-style-type: none"> - Non-end-load-bearing flexible joint with elastomeric sealing rings: <ul style="list-style-type: none"> o FWC coupling: with or without pressure <ul style="list-style-type: none"> ▪ GRP sleeve with EPDM rubber gasket seal ▪ FWC-S: DN300-3600mm ▪ FWC-A: DN150-250mm ▪ Masonry coupling type A, B or C available o DC coupling: without pressure <ul style="list-style-type: none"> ▪ GRP sleeve with EPDM sealing rings ▪ Adapted on one side to PVC dimensions ▪ DN150-300mm 	
	
<ul style="list-style-type: none"> - End-load-bearing flexible joint with elastomeric sealing rings: <ul style="list-style-type: none"> o SRK coupler: with pressure <ul style="list-style-type: none"> ▪ Stainless steel mechanical connection ▪ PN6: DN300-1200mm ▪ PN10: DN300-900mm 	
	
<ul style="list-style-type: none"> - Wrapped (laminated) joint: <ul style="list-style-type: none"> o With or without pressure o PN4: DN1000-3600mm o PN6: DN1000-3000mm o PN10: DN1000-2000mm 	
	
<ul style="list-style-type: none"> - Bolted flange joint: <ul style="list-style-type: none"> o With or without pressure o PN6: DN150-2400mm o PN10: DN150-1400mm 	
	

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GRP Hobas fittings:	
<p>Bends:</p> 	<p>Branches:</p> 
<p>Reductions:</p> 	<p>Flanges:</p> 
<p>Marking:</p>	
<p>Marking pipe (printed on the pipe, durable in use):</p>	<p>HOBAS – BENOR – E-Glas UP-GF – EN ISO 23856 – DN (nominal size) – PN (nominal pressure) – SN (nominal stiffness) – diameter series (A/B1/B2) – production date</p>
<p>Marking fitting (sticker):</p>	<p>HOBAS – BENOR – EN ISO 23856– DN (nominal size) – angle (if applicable) – PN (nominal pressure) – SN (nominal stiffness) – diameter series (A/B1/B2) – production date</p>

This annex is valid as long as the BENOR certificate remains valid.

Issued in Brussels, on 03 May 2023.


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