

Date of valid edition 15-11-2017 No. 2038
 Date of first issue 16-10-2006 Page 1 of 2

Name and address of certificate holder

Georg Fischer Wavin Ltd.
 Ebnatstrasse 111
 CH-8201 Schaffhausen
 Switzerland

Conformity marks covered by the certificate



Marks regarding products in contact with drinking water

 * DS's certification rules of 11 June 2008

Information regarding the certificate holder/manufacturer

Contact person Udo Heizmann	Telephone +41 52 631 3522	Telefax +41 52 631 3120
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Manufacturer Georg Fischer Wavin Ltd.	Place of manufacture Ebnatstrasse 111 CH-8201 Schaffhausen Switzerland	

Product covered by the certificate

Type of product Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE)	Standard Normative document EN 12201-3	Specific rules INSTA SBC EN 12201
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Specification of product

Electrofusion fittings, PE 100 (specified on page 2)
 1 ($16 \leq d_n < 75$ mm), SDR 11
 2 ($75 \leq d_n < 250$ mm), SDR 11, 17
 3 ($250 \leq d_n < 710$ mm), SDR 11, 17
 4 ($710 \leq d_n = 800$ mm), SDR 11, 17

Approved raw materials are specified in Annex 1 which is confidential.

The certificate holder above is hereby given permission to use the INSTA-CERT mark on or in connection with products, which fulfil the requirements of the standard or the normative document specified above (what is said in this document about INSTA-CERT mark will also be valid for marks defined in relevant SBC). The certificate is valid on the condition that the certificate holder complies with "General rules for certification by partners of INSTA-CERT" (GRC) and the specific rules applying to certification of products of the type mentioned. The certificate holder is obliged to indemnify INSTA-CERT partners of any claim for damages or any other expenses to which partners may become liable as a result of injuries caused by a product manufactured or sold by the certificate holder. This also applies to defective or faulty products.

Unless terminated, the certificate will be automatically extended for one year at a time. The certificate will be re-issued with a new "date of valid edition" only if the content and/or conditions of the certificate have been changed. Termination may take place to the end of a year subject to three months notice on the part of the certificate holder and the certification body.
 The certificate is not transferable.

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Jørgen Baadsgaard-Jensen
 CEO

The table below specifies the approved types and sizes

Electrofusion fittings, PE 100	Fitting group	Size group	SDR	Brand	Reports
Electrofusion Tee 90°, d20-63	A	1	11	GF, WA	DS licence No. 1593 and additional testing DTI 1248375-1 to -3 DTI 575669 DHI 11819080
Electrofusion elbow 90°, d20-63	A	1	11	GF, WA	
Electrofusion reducer, d20-63	A	1	11	GF, WA	
Electrofusion elbow 45°, d32-63	A	1	11	GF, WA	
Electrofusion endcap, d20-63	A	1	11	GF, WA	
Tapping saddle, d40/20-d63/32	B	1	11	GF, WA	
Branch fitting, d110/90-d250/125	B	2, 3	11	GF, WA	
Electrofusion coupler, d20-160	A	1, 2	11	GF, WA	
Electrofusion coupler, d160-315	A	2, 3	11, 17	GF, WA	
Electrofusion coupler, d355-800	A	3,4	11, 17	GF, WA	
Saddle kit, d63/20-d315/63	B	1, 2, 3	11	GF	
Repair saddle, d63-315	B	1, 2, 3	11	GF	
Branch saddle, d63/63-d315/63	B	1, 2, 3	11	GF	
Tapping Tee, d63/20-d225/63	B	1, 2	11	GF	