

Date of valid edition 17-02-2020 **No.** 2048
Date of first issue 27-05-2008 **Page** 1 of 2

Name and address of certificate holder

Bänninger Kunststoff-Produkte GmbH
 Bänningerstr. 1
 35447 Reiskirchen
 Germany

Conformity marks covered by the certificate



Information regarding the certificate holder/manufacturer

Contact person Norbert Falley	Telephone +49 6408 8925
	Email norbert.falley@baenninger.de
Manufacturer Bänninger Kunststoff-Produkte GmbH	Place of manufacture Bänningerstr. 1 35447 Reiskirchen Germany

Product covered by the certificate

Type of product	Standard Normative document	Specific rules
Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE)	EN 1555-3	INSTA-CERT SBC EN 1555

Specification of product

PE spigot fittings, black, PE 100
 SDR 17 and 11
 Size group 1 (< 75 mm)
 Size group 2 (75 ≤ dn < 250 mm)
 Size group 3 (250 ≤ dn ≤ 630 mm)

Approved fittings are specified on page 2.
 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. Information on valid certificates is available on INSTA-CERT's homepage, www.insta-cert.net. The certificate is not transferable.

MEMBER OF INSTA-CERT
 DANCERT A/S

Jørgen Baadsgaard-Jensen
 CEO

The table below specifies the approved fittings.

Type	Spigot end	Size group	SDR
Elbow 90°	L		
Elbow 45°	L		
Elbow 30°	L		
Tee 90°	L		
Tee 90° reducer	L		
Branch 45°	L		
End-cap	L	1 (< 75 mm)	
Flanges adaptor	L	2 (75 ≤ dn < 250 mm)	17, 11
Reducer	L	3 (250 ≤ dn ≤ 630 mm)	
Bend 90°	S		
Elbow 90°	S		
Elbow 45°	S		
Tee 90° reduced	S		
Flanges adaptor	S		
Reducer	S		

L = Long spigot end
 S = Short spigot end

Certificate holder

Bänninger Kunststoff-Produkte GmbH
Bänningerstr. 1
35447 Reiskirchen
Germany

The table below specifies the approved raw materials.

Raw material	Size group	SDR	Reports
Borealis Borsafe HE3490-IM INEOS ELTEX TUB121	2 ($75 \leq d_n < 250$ mm)	17, 11	DTI 664850 OFI 1701547-1E and 2E, 3E, 4E, 5E, 6E, 7E DTI 749491
SABIC Vestolen 6060 R 10000 INEOS ELTEX TUB121 N6000	1 (< 75 mm) 2 ($75 \leq d_n < 250$ mm) 3 ($250 \leq d_n \leq 630$ mm)	17, 11	OFI 1701547- 8E OFI 1703226-8E