



Certificate of Compliance

This certificate is issued for the following:

Polyethylene (PE) Fittings for Underground Fire Protection Service
(see listing attached)

Prepared for:

Eurostandard SpA
Zona Industriale Lago
Tesero, 38038
Italy

Manufactured at:

Eurostandard SpA
Zona Industriale Lago
Tesero, 38038
Italy

FM Approvals Class: 1613

Approval Identification: 3062238

Approval Granted: April 25, 2018

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'D.B. Fuller', written over a horizontal line.

David Fuller
VP - Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA



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Certificate of Compliance

Product Designation	O.D., Pipe Size, mm.	Pressure Rating, bar (psi)	Remarks
<i>Electro-fusion Injected Molded Fittings</i>			
E-fusion Socket 21.00.25 SDR 7.4	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)	a, b, c
E-fusion Elbow 90° 21.11 SDR 7.4	90, 110	12.75 (185)	a, b, c
E-fusion Elbow 45° 21.16 SDR 7.4	90, 110	12.75 (185)	a, b, c
E-fusion End Cap 21.36 SDR 7.4	90, 110, 125, 140, 160	12.75 (185)	a, b, c
E-fusion Socket 21.00.16 SDR 11	90, 110, 125, 140, 160, 180	12.75 (185)	a, b, c
E-fusion Elbow 90° 21.11 SDR 11	125, 140, 160, 180, 200	12.75 (185)	a, b, c
E-fusion Elbow 45° 21.16 SDR 11	125, 140, 160, 180, 200	12.75 (185)	a, b, c
E-fusion Reducer 21.51 SDR 11	90x50, 90x63, 90x75, 110x63, 110x90	12.75 (185)	a, b, c

Remarks:

- a. Dimensions refer to the pipe outside diameter. The pipe fits into a socket in the fitting
- b. The manufacturer's electro-fusion welding instructions must be strictly adhered to for a proper joint.
- c. The fittings are manufactured of injection molded PE100.



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Product Designation	O.D., Pipe Size, mm.	Pressure Rating, bar (psi)	Remarks
<i>Butt-fusion Injected Molded Fittings</i>			
Elbow 90° 20.10 SDR 7.4	90, 110, 125, 140, 160	12.75 (185)	a, b, c
Elbow 45° 20.15 SDR 7.4	90, 110, 125, 140, 160	12.75 (185)	a, b, c
Tee 90° 20.20 SDR 7.4	90, 110, 125, 140, 160	12.75 (185)	a, b, c
Stub End 20.30 SDR 7.4	90, 110, 125, 140, 160, 180, 200	12.75 (185)	a, b, c
Cap 20.35 SDR 7.4	90, 110, 125, 140, 160	12.75 (185)	a, b, c
Reducer 20.50 SDR 7.4	90x50, 90x63, 90x75, 110x63, 110x75, 110x90, 125x75, 125x90, 125x110, 140x90, 140x110, 140x125, 160x110, 160x125, 160x140	12.75 (185)	a, b, c
Stub End 20.30 SDR 11	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)	a, b, c
Cap 20.35 SDR 11	90, 110, 125, 140, 160, 180, 200, 225, 250	12.75 (185)	a, b, c

Remarks:

- a. Dimensions refer to the pipe outside diameter. Pipes and fittings to be connected by butt-fusion welding only.
- b. The manufacturer's butt-fusion welding instructions must be strictly adhered to for a proper joint.
- c. The fittings are manufactured of injection molded PE100.



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