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Castel Guelfo di Bologna, 19 June 2019

SUBJECT: Smartflex UV resistance

Smartflex piping system is certified in compliance to EN14125 where the weathering characteristic is evaluated.

All the part numbers of SMARTFLEX piping systems made of black HDPE complies with the relative clause of EN14125 and are considered satisfying the weathering requirement.

5.7 Weathering

Three assemblies consisting of two sections of pipe of minimum length 375 mm and joined by a straight connector shall be preconditioned in accordance to a cumulative solar radiation of $\geq 3,5 \text{ GJ}\cdot\text{m}^{-2}$ using natural weathering in accordance with EN ISO 16871 or artificial weathering by using method A, cycle 1 of Table 3 of EN ISO 4892-2:2013. After exposure the assembly shall show no visible signs of cracking when tested in accordance with 7.2.6. If black PE material is used to manufacture pipe and fittings according to EN 1555-1 to EN 1555-5 and EN 12201-1 to EN 12201-5, this requirement shall be considered as fulfilled.

R&D

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