

Decree of the Ministry of the Environment

amending the Decree of the Ministry of the Environment on the type approval of PE pipes intended for water and sewerage systems in buildings

In accordance with the decision of the Ministry of the Environment section 7 of the Decree on the type approval of PE pipes for water and sewage systems in buildings (1/20) are *repealed*, and section 3, Table 1.2 of Annex 1 and Table 2.1 of Annex 2 are *amended* as follows:

Section 3

Attestation of Conformity

Type approval may be used to demonstrate that PE pipes meet the essential technical requirements applicable to them laid down in section 33 of the Building Act (751/2023) and under it.

This decree shall enter into force on [date] [month] 20xx.

Directive (EU) 2015/1535 of the European Parliament and of the Council (32015L1535); OJ L 241, 17.9.2015, p. 1

Helsinki, [day] [Month] 20[xx]

Minister of ... First name Last name

Title First name Last name

Tests used for the type testing of PE pipes

Table 1.2. Properties, test scope and samples of PE pipes to be type tested.

Characteristic	Test scope			
	type testing	change in the raw material compound (while the classification remains unchanged)	size group and expansion of wall thickness series	change of production site
Appearance	all samples to be tested			
Colour				
Dimensions				
Pressure resistance, 100 h	1 size / size group, at least two sizes ^a	1 size / size group 1 or 2 ^a	1 size from new size group or new wall thickness series of the largest size group ^a	1 size / size group 1 or 2 ^a
Pressure resistance, 1,000 h				
Slow crack growth, compound ^e	1 size / size group 2	1 size / size group 2	-	-
Oxidation resistance ^b	Once from each size group	1 size / size group 1 or 2	1 size from new size group or new wall thickness series of the largest size group	Once from each size group
Change in melt mass-flow rate ^{b,c}			-	
Black carbon content and dispersion	Once from each compound	Once from each compound	-	Once from each compound
Elongation at break	1 size / size group, at least two sizes ^d	1 size / size group 1 or 2 ^d	1 size from new size group or new wall thickness series	1 size / size group, at least two sizes ^d
Longitudinal dimensional stability	1 size / size group, at least two sizes	-	1 size from new size group or new wall thickness series	1 size from each size group
Delamination of co-extruded	Delamination should not occur during the tests.			

pipe	
Structural strength of co-extruded pipe after deformation	1 size / size group ^a
^a 3 replicates / size group 1 and 2 ^b Both layers of co-extruded pipes shall be measured. ^c To be determined from both the raw material compound and the pipe manufactured from the same compound. The change must be calculated. ^d The pipe must be divided into at least two ($d_n \leq 32$), three ($32 < d_n \leq 63$) or five ($d_n > 63$) strips to make rods for the tensile test. ^e DN 110 SDR11, 4 longitudinal grooves	

Quality-control certification of PE pipes

Table 2.1. Properties, test scope and samples to be tested for quality-control certification of PE pipes.

Characteristic	Test scope
Appearance	Once from each size group and compound/year
Colour	
Dimensions	
Pressure resistance, 80 °C/1,000 h ^a	once / size group each wall thickness series and compound/year
Elongation at break ^b	once / size group and compound/year
Oxidation resistance ^{b, c}	once / size group and compound/year
Change in melt mass-flow rate b, c	once / size group and compound/year
Longitudinal dimensional stability	once / size group and compound/year
Delamination of co-extruded pipe	Delamination should not occur during the tests.
^a 3 replicates / size group 1 and 2 ^b The pipe must be divided into at least two ($dn \leq 32$), three ($32 < dn \leq 63$) or five ($dn > 63$) strips to make rods for the tensile test. ^c 3 replicates	