

Decree of the Ministry of the Environment

amending the Decree on the type-approval of flexible connection pipes for water installations in buildings

In accordance with the decision of the Ministry of the Environment, section 4 and Annex 1 of the Decree on the type approval of flexible connection pipes for water installations in buildings (2/18) are *repealed*, and

Section 1, 3, Tables 2.1 and 2.2 in Annex 2, and Table 3.1 in Annex 3 shall be *amended* as follows:

Section 1

Scope

This Decree applies to the requirements for the type approval of flexible connection pipes for water installations intended for conveying domestic water and hot domestic water in buildings.

Section 3

Attestation of Conformity

Type approval may be used to demonstrate that flexible connection 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

Type testing and external quality control of flexible connection pipes

Table 2.1. Properties and number of samples of flexible connection pipes to be tested.

Characteristic	Minimum number of parallel samples to be tested
Fittings	
Dezincification resistance of brass parts	1 pcs./size
Material composition	1 pcs./size
Stress corrosion resistance of brass parts	3 pcs./size/fitting type
Mechanical strength	3 pcs./size/fitting type
Flexible connection pipe	
Appearance	All samples
Dimensions and flow rate	1 pc./size
Tensile strength ¹⁾	3 pcs./size
Watertightness ¹⁾	3 pc./size
Pressure variation resistance ¹⁾	3 pcs./size
Pressure shock resistance ¹⁾	3 pcs./size
Thermal shock resistance ¹⁾	3 pcs./size
Ultraviolet radiation resistance of the plastic braid	3 pcs./size
Pliancy	3 pcs./size
¹⁾ Heat-aged specimens	

Table 2.2. Properties to be tested and minimum sampling frequency in the quality control of flexible connection pipes.

Characteristic	Testing frequency
Material composition of metal parts	1-2 pcs./every 2 years
Appearance	3 pcs./size/year
Dimensions	3 pcs./size/fitting type/year
Flow rate	1 pcs./size/year
Tensile Strength	3 pcs./size/year
Tightness	3 pcs./size/year
Pressure shock resistance	3 pcs./size/every 5 years
Pliancy	3 pcs./size/every 5 years
Marking	All samples
If there are many different sizes, sizes to be tested shall be changed yearly.	

Manufacturer's internal quality-control tests

Table 3.1. Surveillance and tests related to internal quality control of flexible connection pipe production and their minimum frequencies.

Characteristic	Inspection/testing frequency
Fittings	
Material composition	In accordance with the manufacturer's internal inspection plan ¹⁾
Stress corrosion resistance of brass parts	In accordance with the manufacturer's internal inspection plan
Mechanical strength	
Flexible connection pipe	
Appearance	At the beginning and end of each production batch and at least every 8 hours
Dimensions	
Flow rate	In accordance with the manufacturer's internal inspection plan
Tensile Strength	
Tightness after ageing	1 per year
Pressure variation resistance	1 per year
Pressure shock resistance	1 per year
Pliancy	In accordance with the manufacturer's internal inspection plan
Marking	At the beginning and end of each production batch and at least every 8 hours
¹⁾ The information for each batch of flexible connection pipes shall be traceable, including the type of raw material used for the flow pipe, the material certificate, the batch number and date of manufacture, as well as the material certificates for the metal components.	