



Frequently asked questions CCB Product Evaluation Guidelines

Version 2022-05-02

Foreword

This summary contains details on individual sections of the PEG to improve the reproducibility of test results and the uniform procedure for awarding the certification mark. The list is compiled by the joint PEG expert group and updated at irregular intervals.

Product Evaluation Guideline (PEG) W 001

for certification of multilayer piping systems PE-X /AI, PE-RT/AI, PP-R/AI and PP-RCT/AI intended for transport of hot and cold drinking water inside buildings in accordance with EN ISO 21003 “Multilayer piping systems for hot and cold water installations inside buildings”

Question 1

Monitoring frequency: Is there a discrepancy between PEG (audit 1x per year) and GRPC (2x per year audit)?

Answer:

There is no contradiction here, only the wording "audit testing" is not clear. It remains, as previously specified, two factory audits per year and one audit testing per year by the inspection body. This means that the inspection body visits the production site twice a year and, among other things, checks the self-monitoring. Once a year, samples are taken on this occasion and tested by the inspection body.

(EG PEG 2021-12-15)

Question 2

Is a long term strength complete testing (ISO 17456 6.2.3) necessary when changing the production site or is a conformation testing 6.2.4 sufficient? See column P in PEG Table A.1.

In ISO 21003-7 table 6 column P, footnote e does not seem to fit.

Answer:

The footnote e does not fit in column P of ISO 21003-7 table 6.

There are many variations for a new production location and it is decided that the presence of own staff or new staff at that new production location is the key for a reduced program or not. Therefore a new footnote (here 10) will be introduced in table A.1 in the next revision:

¹⁰⁾ For a new production site with the same operating personnel and moved (or additional) production equipment only confirmation testing on one diameter per dimension group and per similar construction type within the dimension group is required.

M-pipes	ISO 21003-2	I	Change of								P	E	T	Sampling	
			M1a	M1b	M2	M3	M4	M5	M6	M7					M8
Appearance	6.1	X	X	X	X	X	X	X	X	X	X	X	X	X	3 pipes of 1 m per dimension
Dimensions	8.2	X	X	X	X	X	X	X	X			X	X	X	3 pipes of 1 m per dimension
Long term strength complete testing	9.1 ISO 17456 6.2.3	X		X		X						X ¹⁰⁾	X ¹⁾	X ¹⁾	weakest dimension / dimension group / similar construction type
Long term strength conformation testing	9.1 ISO 17456 6.2.4	X	X	X		X				X		X ¹⁰⁾	X ²⁾	X ²⁾	other dimensions / similar construction type additive package: one dimension / dimension group

(EG PEG 2022-04-07)

Question 3

For the various classes of tests on the pipe, it is not clearly specified which dimensions in detail are to be determined.

Answer:

Type test: all dimensions

Audit test: Overall outside diameter and wall thickness, aluminium outside diameter and wall thickness, wall thickness of inner layer, inside diameter

(EG PEG 2022-04-07)