SLOVENSKI STANDARD
SIST EN ISO 15877-5:2009/oprA2:2020

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Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Klorirani polivinilklorid (PVC-C) - 5. del: Ustrezanje zahtevam za uporabnost sistema - Dopolnilo A2 (ISO 15877-5:2009/DAM 2:2020)

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system - Amendment 2 (ISO 15877 -5:2009/DAM 2:2020)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Chloriertes Polyvinylchlorid (PVC-C) - Teil 5: Gebrauchstauglichkeit des Systems - ÄNDERUNG 2 (ISO 15877-5:2009/DAM 2:2020)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Poly(chlorure de vinyle) chloré (PVC-C) - Partie 5: Aptitude à l'emploi du système - Amendement 2 (ISO 15877-5:2009/DAM 2:2020)

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91.140.60	Sistemi za oskrbo z vodo	Water supply systems

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DRAFT AMENDMENT
ISO 15877-5:2009/DAM 2

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Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) —

Part 5:
Fitness for purpose of the system

AMENDMENT 2

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Poly(chlorure de vinyle) chloré (PVC-C) —

Partie 5: Aptitude à l'emploi du système

AMENDEMENT 2

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This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, Plastics piping systems and ducting systems, in collaboration with ISO Technical Committee ISO/TC 138, Plastics pipes, fittings and valves for the transport of fluids, Subcommittee SC 2, Plastics pipes and fittings for water supplies, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) —

Part 5: Fitness for purpose of the system

AMENDMENT 2

Page 1, Clause 2

Replace the normative reference:

EN 712, *Thermoplastics piping systems — End-load bearing mechanical joints between pressure pipes and fittings — Test method for resistance to pull-out under constant longitudinal force*

with

ISO 3501, *Plastics piping systems — Mechanical joints between fittings and pressure pipes — Test method for resistance to pull-out under constant longitudinal force*

Replace the normative reference:

EN 12293, *Plastics piping systems — Systems for hot and cold water — Test method for leak tightness under vacuum*

with

ISO 19893, *Plastics piping systems — Thermoplastics pipes and fittings for hot and cold water — Test method for the resistance of mounted assemblies to temperature cycling*

Replace the normative reference:

EN 12294, *Plastics piping systems — Systems for hot and cold water — Test method for leak tightness under vacuum*

with

ISO 13056, *Plastics piping systems — Pressure systems for hot and cold water — Test method for leaktightness under vacuum*.

Replace the normative reference:

EN 12295, *Plastics piping systems — Thermoplastics pipes and associated fittings for hot and cold water — Test method for resistance of joints to pressure cycling*

with

ISO 19892, *Plastics piping systems — Thermoplastics pipes and fittings for hot and cold water — Test method for the resistance of joints to pressure cycling*

Page 2, Table 1

In row 3 (Pull-out test), replace the test method "EN 712" with "ISO 3501".

In row 4 (Thermal cycling test), replace the test method "EN 12293" with "ISO 19893".

In row 5 (Pressure cycling test), replace the test method "EN 12295" with "ISO 19892".

In row 6 (Vacuum test), replace the test method "EN 12294" with "ISO 13056".

Page 6, 4.3, first sentence

Replace "EN 712" with "ISO 3501".

Page 7, Table 8

Replace Table 8 with the new Table 8 below.

Page 7, Table 8

Table 1 — Test parameters for thermal cycling for PVC-C

	Application class			
	Class 1	**Class 2**	**Class 4**	**Class 5**
Maximum design temperature, T_{max}, in °C	80	80	70	90
Highest test temperature, in °C	90	90	80	95
Lowest test temperature, in °C	20	20	20	20
Test pressure, in bars	p_D	p_D	p_D	p_D
Number of cycles for $d_n \leq 160$ mm[a]	5 000	5 000	5 000	5 000
Number of cycles for $d_n > 160$ mm[b]	500	500	500	500
Number of test pieces	One set of fittings in accordance with the configuration shown in ISO 19893[c]			

[a] Each cycle shall comprise 15^{+1}_{0} min at the highest test temperature and 15^{+1}_{0} min at the lowest (i.e. the duration of one cycle is 30^{+2}_{0} min).

[b] Each cycle shall comprise 150^{+5}_{0} min at the highest test temperature and 150^{+5}_{0} min at the lowest (i.e. the duration of one cycle is 300^{+10}_{0} min).

[c] The test arrangement consists of min. 4 pipe connectors or min. 6 pipe connections for $d_n > 160$ mm. The free pipe length between the joints shall not be less than 150 mm. A representative set of fittings shall be used in the assembly.