

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 015**

of **Kiwa Nederland B.V.**
Drinking Water Installations (DWI)
Plastic Piping Systems Lab

This annex is valid from: **29-11-2023** to **28-06-2023**

Replaces annex dated: **14-09-2022**

Location(s) where activities are performed under accreditation

Head Office

Sir Winston Churchill-laan 273
2288 EA
Rijswijk
The Netherlands

Location	Abbreviation/ location code
Sir Winston Churchill-laan 273 2288 EA Rijswijk The Netherlands	RIJ
Wilmersdorf 50 7327 AC Apeldoorn The Netherlands	AP
Room 209, No. 46, Nanxiang 3 rd Road Luogang District, Guangzhou 510663 China	GZ
Via Cadriano 23 40057 Granarolo dell'Emilia BO Bologna Italy	BO
Mobile lab	MO

This annex has been approved by the Board of the
Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

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No.	Material or product	Type of activity ¹	Internal reference number	Location
1	Plastic-piping systems	Determination of the resistance to internal pressure	NEN-EN-ISO 1167-1 NEN-EN-ISO 1167-2 NEN-EN-ISO 1167-3 NEN-EN-ISO 1167-4	AP, BO
2		Determination of tensile properties	EN ISO 6259-1 EN ISO 6259-2 EN ISO 6259-3	AP, BO
3		Determination of the melt mass-flow rate (MFR)	EN ISO 1133-1	AP, BO
4		Determination of oxidation induction time	NEN-EN 728 EN ISO 11357-6	AP
			EN ISO 11357-6	BO
5		Determination of the temperature and enthalpy of melting and crystallization	EN ISO 11357-3	AP
6		Effects of heating on pipes - Longitudinal reversion	NEN-EN-ISO 2505	AP, BO
7		Effects of heating on fittings - Methods for visually assessing the effects of heating	EN ISO 580	AP
8		Determination of pendulum impact strength by the Charpy method	ISO 9854	AP
9		Determination of Vicat softening temperature (VST)	NEN-EN-ISO 306 ISO 2507-1 ISO 2507-2 ISO 2507-3	AP, BO
10		Determination of dimensions of plastic pipes and plastics components	NEN-EN-ISO 3126	AP, BO
11	Determination of the long-term hydrostatic strength by extrapolation	NEN-EN-ISO 9080	AP	

¹ If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the [RvA-BR010-list](#).
 If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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No.	Material or product	Type of activity ¹	Internal reference number	Location
12	Plastic-piping systems	Determination of the adhesion force of multilayer pipes by using a pulling rig	DVGW W542 § 4.5.8 DVGW W542 § 4.5.9.2 ISO 17454	AP
			DVGW W542 § 4.5.8 DVGW W542 § 4.5.9.2	BO
13		Determination of creep ratio	EN ISO 9967	AP
14		Determination of ring stiffness	EN ISO 9969	AP, BO
15	Insulation materials	Determination of thermal resistance	NEN-EN 12667 NEN-EN 12939 NEN-EN 12664	AP
16	Plastic pipes and other devices fabricated of PVC-U	Performance tests as mentioned in DVGW GW335-A1: 2003. Determination of: <ul style="list-style-type: none"> the general impression, the surface condition, the colour, the dimensions and tolerances, the impact strength, the effects of heating , the resistance to dichloromethane, the Vicat softening temperature, the resistance to internal pressure. 	DVGW GW335-A1 § 5.4.1 DIN 8062, EN 1452 DVGW GW335-A1 § 5.4.3 EN ISO 3126 EN 744 EN ISO 2505 NEN-EN-ISO 9852 EN ISO 2507-1 EN ISO 2507-2 EN ISO 2507-3 EN ISO 1167	AP
			DVGW GW335-A1 § 5.4.1, § 5.4.3 EN ISO 2505 EN ISO 2507-1 EN ISO 2507-2 EN ISO 2507-3 EN ISO 3126 EN ISO 6259-1 EN ISO 6259-2 EN ISO 6259-3 EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4 EN ISO 1452	BO

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17	Plastic pipes fabricated of PE80 and PE100	Performance tests as mentioned in DVGW GW335-A2: 2005. Determination of: <ul style="list-style-type: none">the melt mass-flow rate,dry weight loss,the homogeneity of the pipe material,the colour,the weather resistance, -pressing test and pulling test,the thermal stability by OIT,the slow crack growth (Notch test),the rapid crack propagation (RCP),the general impression,the surface condition,the colour,the dimensions and tolerances,the effects of heating,the homogeneity of the pipe material,the resistance to internal pressure,the tensile properties	EN ISO 1133 DVGW GW335-A2 § 5.2.2 DVGW GW335-A2 § 5.2.3 DVGW GW335-A2 § 5.2.5 EN 921, EN ISO 6259 EN 728 EN ISO 11357-6 EN ISO 13479 EN ISO 13477 DVGW GW335-A2 § 5.4.1 DVGW GW335-A2 § 5.4.2 DVGW GW335-A2 § 5.4.3 EN ISO 3126 EN ISO 2505 DVGW GW335-A2 § 5.4.6 EN ISO 1167 EN ISO 6259-1	AP
			EN ISO 1133-1 EN ISO 3126 EN ISO 6259-1 EN ISO 6259-2 EN ISO 6259-3 EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4 EN ISO 2505 EN ISO 11357-6	BO

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18	Plastic pipes fabricated of PE-Xa	Performance tests as mentioned in DVGW GW335-A3: 2003. Determination of: <ul style="list-style-type: none"> • the melt mass-flow rate • dry weight content • the homogeneity of the pipe material • the colour, • the weather resistance, -pressing test and pulling test, • the thermal stability by OIT, • the rapid crack propagation (RCP), • the general impression, • the surface condition, • the colour, • the dimensions and tolerances, • the degree of crosslinking • the effects of heating, • the homogeneity of the pipe material, • the resistance to internal pressure. 	EN ISO 1133 DVGW GW335-A3 § 4.2.2 DVGW GW335-A3 § 4.2.3 DVGW GW335-A3 § 4.2.5 EN 921, EN ISO 6259 NEN-EN 728 EN ISO 11357-6, EN ISO 13477, DVGW GW335-A3 § 4.4.1 DVGW GW335-A3 § 4.4.2 DVGW GW335-A3 § 4.4.3 EN ISO 3126 DIN 16892 EN ISO 2505 DVGW GW335-A3 § 4.4.7, EN ISO 1167	AP
			EN ISO 1133-1 EN ISO 3126 EN ISO 6259-1 EN ISO 6259-2 EN ISO 6259-3 EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4 EN ISO 2505 EN ISO 11357-6	BO

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19	Plastic devices fabricated of PE80 and PE100	Performance tests as mentioned in DVGW GW335-B2: 2004. Determination of: <ul style="list-style-type: none"> • the melt mass-flow rate, • dry weight content, • the homogeneity of the pipe material, • the colour, • the weather resistance, -pressing test and pulling test, • the thermal stability by OIT, • the slow crack growth (Notch test), • the rapid crack propagation (RCP), • the general impression, • the surface condition, • the colour, • the dimensions and tolerances, • the effects of heating, • the resistance to internal pressure, • the crushing decohesion for electrofusion assemblies. 	EN ISO 1133 DVGW GW335-B2 § 5.2.2 DVGW GW335-B2 § 5.2.3 DVGW GW335-B2 § 5.2.5 EN 921, EN ISO 6259 NEN-EN 728 EN ISO 11357-6 EN ISO 13479 ISO 13477 DVGW GW335-A2 § 5.4.1 DVGW GW335-B2 § 5.4.2 DVGW GW335-B2 § 5.4.5 EN ISO 3126 EN ISO 2505 EN ISO 1167 ISO 13955	AP
			EN ISO 1133-1 EN ISO 3126 EN ISO 6259-1 EN ISO 6259-2 EN ISO 6259-3 EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4 EN ISO 2505 EN ISO 11357-6	BO

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20	Multi-layered pipes in the drinking water installation	Performance tests as mentioned in DVGW W542: 2009. Determination of: <ul style="list-style-type: none">• the melt mass-flow rate,• the dry weight content,• the melting temperature,• the surface condition, the dimensions and tolerances,• the effects of heating,• the cone test,• the resistance to internal pressure,• the degree of cross linking,• the adhesion strength,• the immersion temperature cycling test,• the adhesion strength after aging,• the visual aspects of the aluminium surface.	EN ISO 1133 DVGW W542:2009 ISO 11357-3:1999.1 DIN 8075, DIN 16892 DIN 8078, DIN 16968 EN ISO 3126 EN ISO 2505 DVGW W542:2009 § 4.4.5 EN ISO 1167 DIN 16892 DVGW W542:2009 § 4.5.8 DIN 55543-5 EN 12293:2000 in water, DVGW W542:2009 § 4.5.9.1 DIN 53357 DVGW W542:2009 § 4.5.9.2 DVGW W542:2009 § 4.5.9.3 DIN 53357	AP
			DVGW W542:2009 § 4.4.5, § 4.5.8, § 4.5.9.1, § 4.5.9.2, § 4.5.9.3, EN ISO 2505, EN ISO 1133-1 EN ISO 3126 EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4	BO

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No.	Material or product	Type of activity ¹	Internal reference number	Location
21	Plastic pipes in the drinking water installation	Performance tests as mentioned in DVGW W544: 2007. Determination of: <ul style="list-style-type: none"> the melt mass-flow rate, the dry weight content, the delivery condition, the surface condition, the dimensions and tolerances, the effects of heating, the degree of cross linking, the resistance to internal pressure, the homogeneity of the pipe material, the melt mass-flow rate of the pipe, the impact resistance, the ageing of the pipe material, the Vicat softening temperature. 	EN ISO 1133 DVGW W544 § 5.1.1.2 DVGW W544 § 5.1.1 DVGW W544 § 7.1.3 DIN 16968, DIN 8078 DIN 8080, DIN 16892 DIN 16968, DIN 8078 DIN 8080, DIN 16892 EN ISO 3126, DIN 8078 DIN 16968, EN ISO 2505 DIN 8078, DIN 16892 DIN 8080, ISO 2505 DIN 16892 EN ISO 1167, DVGW W544 §, 5.1. DVGW W544 § 7.1.8., EN ISO 1133 DIN 8078, EN 744 ISO 9854, DIN 8080 DVGW W544 § 6.2.9 DIN 8080, EN ISO 306	AP
			DVGW W544: § 4.2.1.2, § 4.2.1.3, § 6.2.1.3, § 6.2.8, § 6.2.9 EN ISO 306, EN ISO 2505, EN ISO 1133-1 EN ISO 3126 EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4	BO
22	Plastic piping systems	Determination of the resistance of mounted assemblies to temperature cycling	NEN-EN 12293 EN ISO 19893 WRAS test & acceptance criteria 1212.6, 1212.10	AP
			EN ISO 19893	BO
23		Determination of the leak tightness under vacuum	NEN-EN 12294 EN ISO 13056	AP
			EN ISO 13056	BO

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24	Plastic piping systems	Determination of the resistance to pull-out under constant longitudinal force	EN ISO 3501 WRAS test & acceptance criteria 1314-1, 1314-7, 1314-8, 1314-9, 1314-10, 1314-11, 1314-12, 1314-13, 1314-14, 1314-15	AP
			EN ISO 3501	BO
25		Determination of the resistance to elevated temperature cycling for sewage systems	NEN-EN 1055 EN ISO 13257	AP
			EN ISO 13257	BO
26		Determination of behaviour under cyclic movement	DVGW W534 § 12.7 EN 1254-20:2021 § 9	AP
27		Determination of behaviour in twisting motion criteria	DVGW W534 § 12.8	AP
28		Determination of behaviour in the cyclic bending test	DVGW W534 § 12.9	AP
29		Determination of leak tightness under pressure while subjected to bending	NEN-EN-ISO 3503	AP, BO
30	Rubber/TPE	Determination of hardness	ISO 48	AP
31		Determination of tensile stress-strain properties	ISO 37	AP
32		Determination of tear strength	ISO 34	AP
33		Determination of compression set	ISO 815-1 ISO 815-2	AP
34		Determination accelerated aging or heat resistance	ISO 188	AP
35		Determination of stress relaxation in compression	ISO 3384	AP
36		Determination of the effect of liquids	ISO 1817	AP
37		Determination of density	ISO 2781	AP

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38	Rubber/TPE	Determination of the resistance to ozone cracking	ISO 1431-1 (only static strain testing)	AP
39		Performance tests as mentioned in NEN-EN 681-1 Determination of: <ul style="list-style-type: none"> • Tensile stress-strain properties • Hardness • Accelerated aging and heat resistance • Compression set • The resistance to ozone cracking • The effect of liquids • Stress relaxation in compression-testing at constant temperature 	ISO 37 ISO 48 ISO 188 ISO 815-1 and ISO 815-2 ISO 1431-1 (Static strain testing) ISO 1817 ISO 3384	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
40	Fittings and piping systems in the drinking water installation		EN ISO 9080 NEN-EN-ISO 9852 EN ISO 306 EN ISO 1133 DIN 16892 DVGW W534 § 10.2.8 EN ISO 2578 EN 681-1 DVGW W534 § 10.3 EN ISO 1167 EN ISO 1167 EN 10226 DVGW W534 § 12.2 EN ISO 1167 EN 12294 EN ISO 13056 EN 12295 EN ISO 19892 EN 12293 EN ISO 19893 EN 1254-20: 2021 § 9 DVGW W534 § 12.7 DVGW W534 § 12.8 DVGW W534 § 12.9 EN ISO 1167 EN ISO 3501 EN ISO 3503 EN ISO 1167	AP

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		Performance tests as mentioned in DVGW W534:2004 Determination of: <ul style="list-style-type: none">• the long-term behaviour of material,• the effects of heating,• the Vicat softening temperature,• the melt flow index,• the degree of cross linking,• the resistance to hydrolysis,• the thermal ageing,• the properties of elastomeric sealing elements,• the castings (density test),• the pressure testing on the jointing,• the dimensions and tolerances of the joints,• the surface condition and homogeneity,• the behaviour in case of overpressure,• the leak tightness under vacuum,• the pressure cycling,• the thermal cycling test,• the behaviour under cyclic movement,• the behaviour in twisting motion criteria,• the behaviour in the cyclic bending test,• the long-term internal pressure test,• the pull-out resistance,• the bending test,• the unpressed leakage test by pressure testing.	EN ISO 1167-1 EN ISO 1167-2 EN ISO 1167-3 EN ISO 1167-4 EN ISO 306 EN ISO 1133-1 EN ISO 3501 EN ISO 3503	BO

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No.	Material or product	Type of activity ¹	Internal reference number	Location
41	Tap ware, industrial boiler fittings, pressure reduction valves, relieve valves, expansion reservoir, metal pipes, piping systems, anti pollution devices and heating devices	Determination of watertightness, pressure pick-up probe	EN 200, EN 816, EN 817, EN 1074, EN 1074-2 A1, EN 1074-3, EN 1111, EN 1213, EN 1254, EN 1287, EN 1567, EN 13828, EN 14124, NHS D08, AS/NZS 3718, AS/NZS 4032.1, AS/NZS 3499, AS 1172.2, NEN-EN 1113, NEN-EN 13618, NEN-EN 13828, NEN-EN 16145, NEN-EN 15091, NEN-EN 14124, NEN-EN 1112, WRAS test & acceptance criteria 1111.1, 1111.2, 1111.3, 1111.4, 1111.5, 1111.6, 1111.7, 1111.8, 1111.9, 1111.10, 1111.11, 1111.12, 1111.13, 1111.14, 1111.15, 1111.16, 1111.17, 1111.18, 1111.19, 1111.20, 1111.21, 1111.22, 1111.23, 1112.1, 1112.2, 1112.3, 1112.4, 1112.5, 1112.6, 1112.7, 1112.8, 1112.9, 1112.11, 1112.12, 1112.14, 1112.15, 1112.17, 1113.1, 1113.2, 1113.5, DVGW W574	RIJ
			EN 200, EN 817, EN 1111, DVGW W574	GZ

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42	Tap ware, aerators, kitchen sinks	Determination of the volume flow rate; pressure pick-up probe; digital Q-meter and data logger	EN 200, EN 246, EN 816, EN 817, EN 1111, EN 1287, EN 1213, EN 13828, EN 14124, NHS D08, AS/NZS 3718, AS/NZS 3662, NEN-EN 1112, NEN-EN 1113, NEN-EN 15091, NEN-EN 16145 WRAS test & acceptance criteria 1511.2, 1511.4, 1511.5 In accordance with AS-NZS 3718 paragraph 2.6 and testing against specifications in accordance with AS/NZS 6400 paragraph 3, DVGW W574 NEN-EN 13310 + A1	RIJ
			EN 200, EN 817, EN 1111, DVGW W574	GZ
43	Sanitary tap ware	Determination of the mixing water temperature; thermometer and data logger	EN 817, EN 1111, EN 1287, NHS D08, AS/NZS 4032.1, AS/NZS 3662, DVGW W574	RIJ
			EN 817, EN 1111, DVGW W574	GZ
44	Sanitary tap ware, flushing devices, anti pollution devices, hot water storage vessels, flexible connecting hoses, kitchen sinks	Determination of mechanical endurance; automatic test methods	EN 200, EN 816, EN 817, EN 1111, EN 1213, EN 1287, EN 13828, EN 13959, EN 14124, AS/NZS 3718, AS 1172.2, NEN-EN 14055, NEN-EN 997, NEN-EN 15091, AS 5200.037.2 WRAS test & acceptance criteria 1211.1, 1211.2, 1211.3, 1211.4, 1211.5, 1211.7, 1211.8, 1211.12, 1211.14, 1211.15, 1211.16, 1211.17, 1211.18, 1211.19, 1211.20, 1211.21, 1211.22, 1211.23, 1211.24, 1211.25, 1211.26, 1212.3, 1212.4, 1212.7, DVGW W574 NEN-EN 13310 + A1	RIJ
			EN 200, EN 817, EN 1111, DVGW W574	GZ

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45	Sanitary tap ware	Determination of resistance against torque	EN 200, EN 816, EN 817, EN 1111, EN1287, AS/NZS 3718, AS/NZS 4032.1, NEN-EN 1112, NEN-EN 1113, NEN-EN 13828, NEN-EN 14124, NEN-EN 16145 WRAS test & acceptance criteria 1315.1, 1315.2, 1315.4, 1315.5, 1315.6, DVGW W574	RIJ
			EN 200, EN 817, EN 1111, DVGW W574,	GZ
46		Test for safety with cold water failure by determination of the leakage rate	EN 1111, EN 1287, NHS D08, AS/NZS 4032.1	RIJ
			EN 1111	GZ
47	(Chromium) Coated products	Determination of the corrosion resistance of electrodeposited coatings of Ni-Cr	EN 248 (ISO 9227), EN 200, EN 817, EN 1111, AS 1172.2, NEN-EN 14055, ISO 9227), EN 200, EN 817, EN 1111, DVGW W574	RIJ
			EN 248 (ISO 9227), EN 200, EN 817, EN 1111, DVGW W574	GZ
48	Anti pollution devices, ice machines, hydraulic switches, sanitary tapware	Determination of functional properties; measuring equipment	AS1172.2, NEN-EN 14055 WRAS test & acceptance criteria 1511.1, 1512.8, 1711.2	RIJ

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49	Sanitary taps, valves, fittings, anti pollution devices, kitchen sinks	Determination of dimensions, including air gaps: measuring equipment	EN 200, EN 816, EN 817, EN 997, EN 1111, EN 1213, EN 1254, EN 1287, EN 10226, EN 13828, AS/NZS 3718, AS 1172.1, AS1172.2, NEN-EN 1112, NEN-EN 1113, NEN-EN 16145, NEN-EN 14124, NEN-EN 13618, NEN-EN 15091, WRAS test & acceptance criteria 2213.1, 2213.3, 2213.4, 2213.5, 2213.7, 2213.8, 2213.10, 2213.11, 2213.12, 2213.13, 2213.14, 2213.15, 2213.16, 2213.17, 2213.18, 2213.19, 3212.1, 3212.2, 5011.1, 5011.3, 5011.5, 5011.6, 5011.7, 5021.3, 5031.1, 5031.2, 5031.3, DVGW W574, NEN-EN 695	RIJ
			EN 200, EN 817, EN 1111, DVGW W574,	GZ
50	Sanitary taps, valves, vacuum breakers, fittings, anti pollution devices	Vacuum tests	EN 14124, AS 1172.2, AS/NZS 3494, AS/NZS 3982, NEN-EN 14055, NEN-EN 14688, WRAS test & acceptance criteria 2211.1, 2211.2, 2211.3, 2212.3, 2212.4, 2212.6, 2212.9, 2212.10, 2212.11, 2212.12, 2212.13, 2212.14, 2212.15, 2212.16, 2212.17, 2212.18, 2212.19, 2212.20	RIJ
51	Piping systems and flushing devices	Determination of resistance against deformation and/or damage	WRAS test & acceptance criteria 1311.2, 1311.3, 1311.4, 1312.2, 1312.3, 1312.5, 1312.6, 1312.8, 1312.9, 1312.11, 1312.12, 1312.13, 1312.14, 1312.15, 1312.16, 1312.17, 1313.1, 1313.2, 1314.4, 1314.5	RIJ
52	Check valves	Determination mechanical properties	EN 13959, WRAS test & acceptance criteria 1313.4, 1313.7	RIJ

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No.	Material or product	Type of activity ¹	Internal reference number	Location
53	Flushing devices	Determination corrosion resistance	WRAS test & acceptance criteria 1411.3	RIJ
54	Flushing devices, kitchen sinks	Determination functional properties; measuring equipment	AS1172.2 EN 997 AS-NZS 1172-2 paragraph 4.7 and testing against specifications in accordance with AS/NZS 6400 WRAS test & acceptance criteria 1512.10, 1512.11, 1512.12, 1611.16, 1612.1 NEN-EN 13310 + A1	RIJ
55	Plastic piping systems	Determination of resistance of joints to pressure cycling	EN 12295, AS/NZS 3499 NEN-EN 13618, NEN-EN 15091, NEN-EN 14124	RIJ
56	Sanitary and industrial nozzles and shower heads	Determination of the spray pattern, using pattern measuring device	AS/NZS 3662	RIJ
57	Fixed firefighting systems- Hose systems - Hose reels with semi-rigid hose	Minimum flow rate, flowmeter	NEN-EN 671-1 Annex E.4.1	RIJ
58		Effective throw range, geometrically	NEN-EN 671-1 Annex E.4.2	RIJ
59		Spray discharge, geometrically	NEN-EN 671-1 Annex E.3	RIJ
60		Reel rotation	NEN-EN 671-1-Annex F.2	RIJ
61		Reel swinging	NEN-EN 671-1-Annex F.3	RIJ
62	Fixed firefighting systems- Hose systems - Hose reels with semi-rigid hose	Reel-Resistance to impact	NEN-EN 671-1-Annex F.6.1	RIJ
63		Reel-Resistance to load	NEN-EN 671-1 Annex F.6.2	RIJ
64		Shut-off nozzle - Resistance to impact	NEN-EN 671-1 Annex E.1	RIJ
65		Shut-off nozzle-Operating torque	NEN-EN 671-1 Annex E.2	RIJ

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No.	Material or product	Type of activity ¹	Internal reference number	Location
66	Fixed firefighting systems - Hose systems - Hose reels with semi-rigid hose	Inlet stop valve-Automatic inlet stop valve	NEN-EN 671-1 Annex F.2	RIJ
67		Hydraulic properties-Resistance to internal pressure	NEN-EN 671-1 Annex F.7	RIJ
68		Hydraulic properties-Strength	NEN-EN 671-1 Annex F.8	RIJ
69		Reel - Unwinding load	NEN-EN 671-1 Annex F.4	RIJ
70		Reel - Dynamic breaking	NEN-EN 671-1 Annex F.5	RIJ
71		Resistance to corrosion of coated parts	NEN-EN 671-1 Annex B	RIJ
72		Resistance to corrosion of waterways	NEN-EN 671-1 Annex D	RIJ
73	Fixed firefighting systems - Hose systems - Hose systems with lay-flat hose	Minimum flow rate, flow meter	NEN-EN 671-1 Annex E.4.1	RIJ
74		Effective throw range, geometrically	NEN-EN 671-2 Annex E.4.2	RIJ
75		Spray discharge, geometrically	NEN-EN 671-2 Annex E.3	RIJ
76		Shut-off nozzle - Resistance to impact	NEN-EN 671-2 Annex E.1	RIJ
77		Shut-off nozzle-Operating torque	NEN-EN 671-2 Annex E.2	RIJ
78	Fixed firefighting systems - Hose systems - Hose systems with lay-flat hose	Hydraulic properties-Resistance to internal pressure	NEN-EN 671-2 Annex F	RIJ
79		Hydraulic properties-Security of couplings	NEN-EN 671-2 Annex F	RIJ
80		Resistance to corrosion of coated parts	NEN-EN 671-2 Annex B	RIJ
81	Fixed firefighting systems - Hose systems - Hose systems with lay-flat hose	Resistance to corrosion of waterways	NEN-EN 671-2 Annex D	RIJ
82	Underground fire hydrants	Leaktightness	EN 1074-1 Annex A	RIJ
83		Hydraulic characteristics	EN 1074-6, § 5.3.	RIJ

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No.	Material or product	Type of activity ¹	Internal reference number	Location
84	Pillar fire hydrants	Leaktightness	EN 1074-1, Annex A	RIJ
85		Mechanical strength	EN 14384, § 4.6.2.2	RIJ
86		Hydraulic characteristics - Flow characteristics	EN 14384, § 5.3	RIJ
87	Gates	Operating Forces \leq 1400 N	NEN-EN 13241-1	MO
88	Industrial, commercial and garage doors and gates	Determination of Operating forces (for power operated doors) \leq 1400 N	NEN-EN 12445; NEN-EN 12453	MO

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No.	Material or product	Type of activity ¹	Internal reference number	Location
The accreditation for the activities below is suitable for notification				
European construction products regulation No 305/2011, System 3 Verification of Constancy of Performance				
Product area 2				
Decision: 99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1): -		NEN-EN 13241-1:2003+A2:2016		
89	Doors and gates (with or without related hardware) (other declared specific uses and/or uses subject to other specific requirements, in particular noise, energy, tightness and safety-in-use (i.e. NOT for fire/smoke compartmentation, NOT for escape routes)).	Determination of Operating forces (for power operated doors) ≤ 1400 N	NEN-EN 12445: NEN-EN 12453	MO

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Product area 28				
Decision: 1999/472/EC Pipes, tanks and ancillaries not in contact with water intended for human consumption (1/5)		NEN-EN 682, NEN-EN 682_A1		
90	Joint sealings	Determination of tensile stress-strain properties	ISO 37	AP
91	In installations for the transport/distribution/storage of gas/fuel intended for the supply of building heating/cooling systems, from the external storage reservoir of the last reduction unit of the network to the inlet of the heating cooling systems of the building	Determination of hardness	ISO 48	AP
92		Determination accelerated ageing and heat resistance	ISO 188	AP
93		Determination of compression set	ISO 815-1 and -2	AP
94		Determination of tear strenght of small (Delft) test pieces	NEN-ISO 34-2	AP
95		Determination of the effect of liquids	ISO 1817	AP
96		Determination of the resistance to ozone cracking: - static strain testing	ISO 1431-1	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
97	Joint sealings In installations for the transport/distribution/storage of gas/fuel intended for the supply of building heating/cooling systems, from the external storage reservoir of the last reduction unit of the network to the inlet of the heating cooling systems of the building	Determination of stress relaxation in compression-testing at constant temperature	ISO 3384-1	AP