

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

Location	Abbreviation/ location code
Westervoortsedijk 73, Building SB 6827 AV Anhem The Netherlands	AR
Eiberkamp 10 9351 VT Leek The Netherlands	LE

No.	Material or product	Type of activity ¹	Internal reference number	Location
1.	Food processing equipment	Surface roughness measurements (EHEDG)	MS-0035706	AR
2.		Cleaning In Place / CIP-test (EHEDG)	MS-0035709	AR
3.		Cleaning of tanks	MS-0035715	AR
4.	Food processing equipment	Safety in CIP test laboratory	MS-0035710	AR
5.	Flat or curved automotive glass panels	Fragmentation: determination of breaking behaviour.	WI-2541 ECE R43	AR
6.	Flat or curved automotive glass or glass/plastic or plastic panels	Ball drop 227 gr: determination of resistance against impact from outside	WI-2542 ECE R43	AR
7.	Flat or curved automotive glass or glass/plastic or plastic panels	Ball drop 2260 gr: determination of resistance against impact from outside	WI-2542 ECE R43	AR

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

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
8.	Flat or curved automotive glass panels	Head form: determination of resistance against impact from inside - without deceleration	WI-2543 ECE R43 - § 3.1	AR
9.	Flat or curved automotive glass or glass/plastic or plastic panels	High temperature: determination of resistance against high temperature	WI-2545 ECE R43	AR
10.	Flat or curved automotive glass or glass/plastic or plastic panels	Humidity: determination of resistance against high humidity	WI-2547 ECE R43	AR
11.	Pedestrian doorsets and windows	Determination of the resistance to burglary attempts	PAS24 WI 01-4.3-I.05-501-F14-E-2-7	AR*

Plastic Glazing

12.	Flat or curved automotive plastic panels	Head form: determination of resistance against impact from inside - without deceleration	WI-2543 ECE R43 - § 3.1	AR
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European Regulation No 305/2011,
 System 3 Verification of Constancy of Performance
 Product area 2

Decision: 1999/93/EC*2011/246/ EU Doors, windows, shutters, blinds, gates and related building hardware (1/1)	EN 14351-1:2006+A2:2016			
13.	Pedestrian doorsets/ Windows/curtain walling/grilles shutters – Burglar resistance	Determination of the resistance under static load	EN 1628 Classification EN 1627	AR*

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
14.		Determination of the resistance under dynamic load	EN 1629 Classification EN 1627	AR*
15.		Determination of the resistance to burglary attempts	EN 1630 Classification EN 1627	AR*
16.	Windows/Doors	Determination of the resistance to windload	W2521 EN 12211	AR*
17.	Windows/Doors	Determination of the water tightness	W2521 EN 1027	AR*
18.	Windows/Doors	Determination of the air tightness	W2521 EN 1026	AR*

European Regulation No 305/2011,

System 3 Verification of Constancy of Performance Product area 19

Decision: 1997/808/EC Floorings (2/2): Resilient and textile floorings (for internal uses) Rigid flooring products: Floor screed materials	EN 14041:2004/ EN 14041:2004/AC:2006/ EN 14904:2006	
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Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

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19.	Homogeneous and heterogeneous resilient floor coverings supplied either in tile, sheet or roll form (textile floor covering including tiles; plastic and rubber sheets (aminoplastic thermosetting floorings); linoleum and cork; anti-static sheet; floor loose laid tiles; resilient laminated floorings	Reaction to fire tests for floorings	ISO 9239-1	AR
20.		Classifications Bfl, Cfl, Dfl, Efl, s1, s2	EN 13501-1	AR
21.		Vertical flame test	EN ISO 11925-2	AR

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
European Regulation No 305/2011, System 3 Verification of Constancy of Performance Product area 30				
	Decision: 2000/245/EC Flat glass, profiled glass and glass-block products, Product family: Flat glass, profiled glass (2/6) (for uses to reaction to fire regulations)	EN 572-9:2004; EN 1096-4:2018; EN 1051-2:2007; EN 1279-5:2018; EN 1748-1-2:2004; EN 1748-2-2:2004; EN 1863-2:2004; EN 12150-2:2004; EN 12337-2:2004; EN 14178-2:2004; EN 14179-2:2005; EN 14321-2:2005; EN13024-2:2004; EN 15682-2:2013; EN 15683-2:2013		
22.	Insulating glass Units	Determination of resistance against manual attack Ball drop test	EN 356	AR
23.		Determination of luminous and solar characteristics	EN 410	AR
24.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
25.		Determination of U value	EN 673	AR
26.		Determination of moisture penetration	EN 1279-2	AR
27.		Determination of gas loss rate	EN 1279-3	AR
28.		Determination of adhesion properties	EN 1279-4	AR
29.		Determination of moisture vapour transmission rate	EN 1279-4	AR
30.		Determination of gas permeation	EN 1279-4	AR
31.		Determination of gaseous substance	EN 1279-6	AR
32.		Determination of resistance against pendulum impact	EN 12600	AR
33.		Determination of bending strength	EN 1288-3	AR
34.		Determination of emissivity	EN 12898	AR

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
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of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
35.	Insulating glass Units	Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN 13024-1; EN15682-1; EN15683-1	AR
36.	Flat or curved glass panels	Determination of resistance against manual attack Ball drop test	EN 356	AR
37.		Determination of luminous and solar characteristics	EN 410	AR
38.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
39.		Determination of U value	EN 673	AR
40.		Determination of coating properties	EN 1096-2, -3	AR
41.		Determination of resistance against pendulum impact	EN 12600	AR*
42.		Determination of emissivity	EN 12898	AR
43.		Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN13024-1; EN15682-1; EN15683-1	AR
44.		Determination of bending strength	EN 1288-3	AR
45.		Determination of visual and optical properties and durability	EN-ISO 12543-1 to -6	AR
46.	Determination of light reflectance	EN 1036-1	AR	
47.	Determination of durability	EN 1036-1	AR	
Decision: 2000/245/EC Flat glass, profiled glass and glass-block products, Product family: Flat glass, profiled glass (3/6) (for uses subject to external fire performance regulations)		EN 572-9:2004; EN 1096-4:2018; EN 1051-2:2007; EN 1279-5:2018; EN 1748-1-2:2004; EN 1748-2-2:2004; EN 1863-2:2004; EN 12150-2:2004; EN 12337-2:2004; EN 14178-2:2004; EN 14179-2:2005; EN 14321-2:2005; EN13024-2:2004; EN 15682-2:2013; EN 15683-2:2013		AR

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
48.	Insulating glass Units	Determination of resistance against manual attack Ball drop test	EN 356	AR
49.		Determination of luminous and solar characteristics	EN 410	AR
50.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
51.		Determination of U value	EN 673	AR
52.		Determination of moisture penetration	EN 1279-2	AR
53.		Determination of gas loss rate	EN 1279-3	AR
54.		Determination of adhesion properties	EN 1279-4	AR
55.		Determination of moisture vapour transmission rate	EN 1279-4	AR
56.		Determination of gas permeation	EN 1279-4	AR
57.		Determination of gaseous substance	EN 1279-6	AR
58.		Determination of resistance against pendulum impact	EN 12600	AR
59.		Determination of bending strength	EN 1288-3	AR
60.		Determination of emissivity	EN 12898	AR
61.		Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1; EN 13024-1, EN 15682-1, EN 15683-1	AR
62.	Flat or curved Glass panels	Determination of resistance against manual attack Ball drop test	EN 356	AR
63.		Determination of luminous and solar characteristics	EN 410	AR
64.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
65.		Determination of U value	EN 673	AR

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
66.		Determination of coating properties	EN 1096-2, -3	AR
67.	Flat or curved Glass panels	Determination of resistance against pendulum impact	EN 12600	AR*
68.		Determination of bending strength	EN 1288-3	AR
69.		Determination of visual and optical properties and durability	EN-ISO 12543-1 to -6	AR
70.		Determination of emissivity	EN 12898	AR
71.		Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN13024-1, EN 15682-1, EN 15683-1	AR
Decision: 2000/245/EC Flat glass, profiled glass and glass-block products, Product family: Flat glass, profiled glass and glass-block products (4/6) (for other uses liable to present "safety-in-use" risks and subject to such regulations)		EN 572-9:2004; EN 1096-4:2018; EN 1051-2:2007; EN 1279-5:2018; EN 1748-1-2:2004; EN 1748-2-2:2004; EN 1863-2:2004; EN 12150-2:2004; EN 12337-2:2004; EN 14178-2:2004; EN 14179-2:2005; EN 14321-2:2005; EN 13024-2:2004; EN 15682-2:2013; EN 15683-2:2013; EN1036-2		
72.	Insulating glass Units	Determination of resistance against manual attack Ball drop test	EN 356	AR
73.		Determination of luminous and solar characteristics	EN 410	AR
74.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
75.		Determination of U value	EN 673	AR
76.		Determination of moisture penetration	EN 1279-2	AR
77.		Determination of gas loss rate	EN 1279-3	AR

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

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78.		Determination of adhesion properties	EN 1279-4	AR
79.	Insulating glass Units	Determination of moisture vapour transmission rate	EN 1279-4	AR
80.		Determination of gas permeation	EN 1279-4	AR
81.		Determination of gaseous substance	EN 1279-6	AR
82.		Determination of bending strength	EN 1288-3	AR
83.		Determination of resistance against pendulum impact	EN 12600	AR*
84.		Determination of emissivity	EN 12898	AR
85.		Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN 13024-1; EN 15682-1, EN 15683-1	AR
86.		Flat or curved glass panels	Determination of resistance against manual attack Ball drop test	EN 356
87.	Determination of luminous and solar characteristics		EN 410	AR
88.	Determination of thickness and light transmittance		EN 572-2 till 8	AR
89.	Determination of U value		EN 673	AR
90.	Determination of coating properties		EN 1096-2, -3	AR
91.	Determination of resistance against pendulum impact		EN 12600	AR*
92.	Determination of emissivity		EN 12898	AR
93.	Determination of breakage behaviour		EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN 13024-1; EN 15682-1, EN 15683-1	AR
94.	Determination of bending strength		EN1288-3	AR

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
95.	Flat or curved glass panels	Determination of visual and optical properties and durability	EN-ISO 12543-1 to -6	AR
Decision: 2000/245/EC Flat glass, profiled glass and glass-block products, Product family: Flat glass, profiled glass (5/6) (for uses relating to energy conservation and/or noise reduction)		EN 572-9:2004; EN 1096-4:2018; EN 1051-2:2007;2018 EN 1279-5:2018; EN 1748-1-2:2004; EN 1748-2-2:2004; EN 1863-2:2004; EN 12150-2:2004; EN 12337-2:2004; EN 14178-2:2004; EN 14179-2:2005; EN 14321-2:2005; EN 13024-2:2004; EN 15682-2:2013; EN 15683-2:2013		
96.	Insulating glass Units	Determination of resistance against manual attack Ball drop test	EN 356	AR
97.		Determination of luminous and solar characteristics	EN 410	AR
98.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
99.		Determination of U value	EN 673	AR
100.		Determination of moisture penetration	EN 1279-2	AR
101.		Determination of gas loss rate	EN 1279-3	AR
102.		Determination of adhesion properties	EN 1279-4	AR
103.		Determination of moisture vapour transmission rate	EN 1279-4	AR
104.		Determination of gas permeation	EN 1279-4	AR
105.		Determination of gaseous substance	EN 1279-6	AR
106.	Determination of bending strength	EN 1288-3	AR	
107.	Determination of resistance against pendulum impact	EN 12600	AR*	

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

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108.	Insulating glass Units	Determination of emissivity	EN 12898	AR
109.		Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN 13024-1, EN 15682-1, EN 15683-1	AR
110.	Flat or curved glass panels	Determination of resistance against manual attack Ball drop test	EN 356	AR
111.		Determination of luminous and solar characteristics	EN 410	AR
112.		Determination of thickness and light transmittance	EN 572-2 till 8	AR
113.		Determination of U value	EN 673	AR
114.		Determination of coating properties	EN 1096-2, -3	AR
115.		Determination of resistance against pendulum impact	EN 12600	AR*
116.		Determination of emissivity	EN 12898	AR
117.		Determination of breakage behaviour	EN 1863-1, EN 12150-1, EN 14179-1, EN 14321-1, EN 13024-1, EN 15682-1, EN 15683-1	AR
118.		Determination of visual and optical properties and durability	EN-ISO 12543-1 to -6	AR
119.		Determination of bending strength	EN 1288-3	AR
120.	Polymers & Sealants used in Glass units	Differential Scanning Calorimetry	ISO 11357-1 ; -2 ; -3 ; -6	AR
121.	Plastics & Sealants used in Glass units	Determination of density	ISO 118301 method A ISO 2781 method A DIN EN ISO 23996 method A	AR

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
122.	Surfaces and coatings	Artificial weathering and ageing	MS-0032524 NEN-EN ISO 4892-1 / 2 / 3, NEN-EN-ISO 16474-1	AR
123.	Floor covering	Assessment of changes in appearance	ISO 9405	AR
124.	Floor covering	Tests for colour fastness	ISO 105 parts B02, E01, X12	AR
125.	Upholstered furniture and mattresses	Assessment of the ignitability of upholstered furniture - Part 2: Ignition source match flame equivalent	EN 1021-2; BS 5852-1; EN 597-2; ISO 8191-2	AR
126.	Upholstered furniture and mattresses	Assessment of the ignitability of upholstered furniture - Part 1: Ignition source smouldering cigarette	EN 1021-1; BS 5852-1; EN 597-1; ISO 8191-1	AR
127.	Organische en anorganische deklagen op metalen ondergronden	Bepalingen van de weerstand van deklagen tegen corrosie volgens de - Zoutneveltest - Condentest - Kesternichtest	4.2.4-P.02-CTS-WI001 4.2.4-P.02-CTS-WI002	ARd

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
Safety Testing				
128.	Audio, video and similar electronic equipment with rated voltage not exceeding: 433 Vrms between phases; 250 Vrms phase to neutral; Household and similar electrical appliances; Luminaires; Isolating transformers and safety isolating transformers; General equipment; Uninterruptible power supplies; Electrical equipment for measurement, control and laboratory use; Information technology equipment Including electrical and electronic equipment to be connected to telecommunication networks.	Power input measurement	MS-0033389	LE
129.		Heating and temperature test	MS-0033273	LE

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
130.		Leakage current measurement	MS-0041426; IEC60990	LE
131.		Dielectric strength test	MS-0041420; IEC61180-1	LE
132.		Insulation resistance test	MS-0041424	LE
133.		Protection against solid objects and water test	MS-0033332; IEC60529 up to and including IP65	LE
134.		Single fault condition test	MS-0041429	LE
135.		Stability test	MS-0041439	LE
136.		Mechanical hazard test	MS-0041439	LE
137.		Glow-wire test	MS-0041441; EN60695-20-10/11/12/13	LE
138.		Needle flame/50W/500W flame test	MS-0041443; IEC60695-11-3; IEC60695-11-4; IEC60695-11-5; IEC60695-11-10; IEC60695-11-20	LE
139.		Creepage and clearance measurement	MS-0041444; IEC60664-1	LE
140.		Direct plug-in equipment force test	MS-0041448	LE
141.		Cord anchorage test	MS-0041452	LE
142.		Environmental test – climatic test	MS-0041455	LE
143.		Ball pressure test	MS-0041456	LE
144.		Marking and instructions – Rubbing test	MS-0041460	LE
145.		Mechanical strength test	01-4.3-P03-331-WI20	LE
146.		Ground bonding test	MS-0041474	LE
147.		Impulse voltage test	01-4.3-P03-331-WI23	LE
148.		Plug discharge test	01-4.3-P03-331-WI25	LE

* Gebruik van faciliteiten buiten het laboratorium van de geaccrediteerde instelling

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

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Electromagnetic Compatibility (EMC) scheme (EMC.S)				
EMC.E	Electromagnetic Compatibility Emission (EMC)			
EMC.E.01	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products, Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Conducted Emissions Voltage method (AN) 9 kHz – 30 MHz	MS-0043557 ; MS-0044660 ; MS-0044661 ; MS-0044662 ; MS-0044638 CISPR 16-1-2: 2003 incl. Corr. 2009, Amd. A1:2004 and A2: 2006, CISPR 16-1-2: 2014, CISPR 16-2-1:2014, CISPR 25: 2002 incl. Cor1: 2004, CISPR 25: 2008, EN 55016-1-2:2004 incl. Amd A1: 2005 and Amd A2: 2006, EN 55016-1-2: 2014, EN 55016-2-1: 2014, EN 55025: 2008, Amd1: 2008 and Amd2: 2011, ANSI C63.4: 2014, ANSI C63.10: 2013, FCC MP5, FCC MP5: 1986	LE
EMC.E.02		Conducted Emissions Voltage method (AMN) 9 kHz – 30 MHz	MS-0043557 ; MS-0044660 ; MS-0044661 ; MS-0044662 ; MS-0044638 CISPR 16-1-2: 2003 incl. Corr. 2009, Amd. A1:2004 and A2: 2006, CISPR 16-1-2: 2014, CISPR 16-2-1:2014, CISPR 25: 2002 incl. Cor1: 2004, CISPR 25: 2008, EN 55016-1-2, EN 55016-1-2:2004 incl. Amd A1: 2005 and Amd A2: 2006, EN 55016-1-2: 2014, EN 55016-2-1: 2014, EN 55025: 2008, Amd1: 2008 and Amd2: 2011, ANSI C63.4: 2014, ANSI C63.10: 2013, FCC MP5, FCC MP5: 1986	LE

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
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of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

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EMC.E.03	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products. Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Conducted Emissions Voltage method (LISN) 9 kHz – 30 MHz	MS-0043557 ; MS-0044660 ; MS-0044661 ; MS-0044662 ; MS-0044638 CISPR 16-1-2: 2003 incl. Corr. 2009, Amd. A1:2004 and A2: 2006, CISPR 16-1-2: 2014, CISPR 16-2-1:2014, CISPR 25: 2002 incl. Cor1: 2004, CISPR 25: 2008, EN 55016-1-2, EN 55016-1-2:2004 incl. Amd A1: 2005 and Amd A2: 2006, EN 55016-1-2: 2014, EN 55016-2-1: 2014, EN 55025: 2008, Amd1: 2008 and Amd2: 2011, ANSI C63.4: 2014, ANSI C63.10: 2013, FCC MP5, FCC MP5: 1986	LE
EMC.E.04		Conducted Emissions Voltage method (Voltage probe) 150 kHz – 30 MHz	MS-0043557 ; MS-0044660 ; MS-0044661 ; MS-0044662 ; MS-0044664 ; MS-0044638 CISPR 16-1-2: 2003 incl. Corr. 2009, Amd. A1:2004 and A2: 2006, CISPR 16-1-2: 2014, CISPR 16-2-1:2014, CISPR 25: 2002 incl. Cor1: 2004, CISPR 25: 2008, EN 55016-1-2, EN 55016-1-2:2004 incl. Amd A1: 2005 and Amd A2: 2006, EN 55016-1-2: 2014, EN 55016-2-1: 2014, EN 55025: 2008, Amd1: 2008 and Amd2: 2011, ANSI C63.4: 2014, ANSI C63.10: 2013, FCC MP5, FCC MP5: 1986	LE

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
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of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.E.05		Conducted Emissions Current method (Current probe) 10 kHz – 30 MHz	MS-0043557 ; MS-0044660 ; MS-0044661 ; MS-0044662 ; MS-0044638 CISPR 16-1-2: 2003 incl. Corr. 2009, Amd. A1:2004 and A2: 2006, CISPR 16-1-2: 2014, CISPR 16-2-1:2014, CISPR 25: 2002 incl. Cor1: 2004, CISPR 25: 2008, EN 55016-1-2, EN 55016-1-2:2004 incl. Amd A1: 2005 and Amd A2: 2006, EN 55016-1-2: 2014, EN 55016-2-1: 2014, EN 55025: 2008, Amd1: 2008 and Amd2: 2011, ANSI C63.4: 2014, ANSI C63.10: 2013, FCC MP5, FCC MP5: 1986	LE
EMC.E.15	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products, Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Radiated Emissions Semi Anechoic Chamber Method (SACM) 9 kHz – 40 GHz	MS-0043562 ; MS-0044647 ; MS-0044638 ; MS-0044648 ; MS-0044660 ; MS-0044661 ; MS-0044664 CISPR 16-1-2: 2003 incl. Corr. 2009, Amd. A1:2004 and A2: 2006, CISPR 16-1-2: 2014, CISPR 16-2-1:2014, EN 55016-1-2, EN 55016-1-2:2004 incl. Amd A1: 2005 and Amd A2: 2006, EN 55016-1-2: 2014, EN 55016-2-1: 2014, EN 55025: 2008, Amd1: 2008 and Amd2: 2011, ANSI C63.4: 2014, ANSI C63.10: 2013 ISO 7637-2: 2004, ISO 7637-2: 2011, FCC MP5, FCC MP5: 1986 W.I. MS-0035489 CISPR 12, EN 55012 : 2002, CISPR 12 : 2007, EN 55012 : 2007, CISPR 25, CISPR 25 : 2002, CISPR 25 : 2017, ECE R10-05/01, ECE R10-06.	LE
EMC.E.18	Lighting Equipment	Radiated Emissions Large Loop Antenna System (LLAS) 9 kHz - 30 MHz	MS-0043560 CISPR 16-2-3, CISPR 16-2-3: 2006, incl. Amd1: 2010; CISPR 16-2-3: 2010, CISPR 16-2-3: 2017	LE

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.E.21	Electric and electronic equipment	Radiated Emissions Electric field 9 kHz - 1 GHz	MS-0043562 CISPR 11, CISPR 11:1997 Incl. Amd A1:2000 and Corrigenda A1:2000 and A2: 2003, CISPR 11: 2003, CISPR 11: 2009 incl. Amd. A1: 2010, CISPR 11: 2015 incl. Amd1: 2016, CISPR 11, 2019, CISPR 13: 2001, incl Amd A1: 2003 and Amd A2: 2006	LE
EMC.E.26	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products, Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Harmonic Current Emissions (Up to and including 16A per phase) Single phase 50 Hz – 2000Hz	MS-0043563 EN 61000-3-2, IEC 61000-3-3:2018, EN 61000-3-2: 2014, IEC 61000-3-2: 2005, IEC 61000-3-2: 2004, EN 61000-3-2: 2000	LE
EMC.E.27		Voltage changes, voltage fluctuations and flicker Emissions (Up to and including 16A per phase) Single phase	MS-0043564 IEC 61000-3-3, IEC61000-3-3: 2013, EN 61000-3-3:2008, IEC 61000-3-3: 2002, EN 61000-3-3: 1995	LE
EMC.E.31	Automotive Electronic Components and Sub-components (ESA – Electronic Sub Assemblies)	Transient emission for ESA's along supply lines 12V and 24V	MS-0043580 ISO 7637-2, ISO 7637-2 : 2004 incl. Amd A1 : 2008	LE
EMC.E.33	Automotive Electronic Components and Sub-components (ESA – Electronic Sub Assemblies)	Radio disturbance (ALSE method) 30 MHz – 2 GHz	MS-0043578 CISPR 25, CISPR 25: 2002, CISPR 25: Corrigendum 2004, CISPR 25:2017, EN 55025: 2008, EN 55025: 2017,	LE

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC Electromagnetic Compatibility Immunity/ Susceptibility				
EMC.I.07	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products, Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Immunity to conducted disturbances Induced by radio-frequency fields 0 – ≤ 30 V/rms 150 kHz – 230 MHz	MS-0043569 EN 61000-4-6/ IEC 61000-4-6: 2003, IEC 61000-4-6:2006, EN 61000-4-6: 2007, EN 61000-4-6: 2009, EN 61000-4-6: 2014	LE
EMC.I.12	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products, Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Radiated Immunity Electric Field 20 MHz – 6 GHz	MS-0043566 EN 61000-4-3, EN 61000-4-3: 2002, EN 61000-4-3: 2006, incl Amd A1:2007 and A2: 2010, CISPR 25, CISPR 25: 2002, CISPR 25: Corrigendum 2004, EN 55025: 2008, EN 55025: 2017, CISPR 25: 2017, ISO 11452-2, ISO 11452-2: 2004 and ISO 11452: 2019	LE
EMC.I.21		Electrostatic discharge Immunity (ESD), Contact Discharge +/- 0 – 8 kV, Air Discharges +/- 0 – 15 kV	MS-0043565 IEC/EN 61000-4-2, IEC 61000-4-2: 2001 incl. Amd. A1: 2001, IEC 61000-4-2: 2008	LE
EMC.I.22		Electrical fast transient / burst Immunity (EFT) 3 phase max 32 A/Phase 0 - 5.3 kV	MS-0043567 IEC/EN 61000-4-4/ EN 61000-4-4: 1995 incl. Amd A2: 2001, EN 61000-4-4: 2004, incl. Amd's A2: 2001 and A1: 2010, EN 61000-4-4: 2012	LE

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.I.23	Electric and electronic equipment: Household Products, Medical Products, Office Products, Industrial Products, Entertainment Products, Radio Equipment (RED) Products, Laboratory Products. Lighting Products, Wheelchairs, Scootmobile Products, Chargers, Inverters	Surge Immunity 3 phase max 32 A/ Phase 0 - 6 kV	MS-0043568 EN 61000-4-5, IEC 61000-4-5: 2001, EN 61000-4-5: 2006, IEC 61000-4-5: 2014, Incl. Amd. A1: 2017	LE
EMC.I.24		Power frequency magnetic field Immunity Continuous magnetic field Immunity, 50, 60, 16 Hz, DC up to 100 A/m (0.000125 Tesla)	MS-0043570 IEC/EN 61000-4-8, IEC61000-4-8: 2001, incl. A1: 2001, EN 61000-4-8: 2010	LE
EMC.I.25		Pulsed magnetic field Immunity ≤ 100 A/m	MS-0043571 IEC/EN 61000-4-9, IEC 61000-4-9 : 2001, incl. Amd A1 : 2001, EN 61000-4-9: 2016	LE
EMC.I.26		Voltage dips, short interruptions and voltage variations Immunity Single phase ≤ 16A 10 – 5000 ms Angle(s) 0 – 360 degrs	MS-0043572 IEC/EN 61000-4-11, IEC 61000-4-11: 2004 incl. Amd A1: 2017	LE
EMC.I.38		Damped oscillatory wave 100 kHz, 1 MHz; ≤ 4400 V 3 phase 32 A/Phase	MS-0035447 IEC/EN 61000-4-18, EN 61000-4-18 : 2007, incl. Amd. A1 : 2007, IEC 61000-4-18 :2019	LE
EMC.I.39	Automotive Electronic Components and Sub-components (ESA – Electronic Sub Assemblies)	Electric transient transmission along supply lines Immunity Pulses 1, 2a, 2b, 3a, 3b, 4	MS-0043580 ECE R10-05/1 , ECE R10-6, ISO 7637-2 , ISO 7637-2:2004 incl. Amd. 1:2008	LE

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022** to **01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.I.41		Radiated Immunity, Semi Anechoic Chamber (ALSE) method 20 MHz – 2000 MHz	MS-0043582 ISO 11452-2:2004 , ISO 11452:2019 , EN, ECE R10-5/6	LE

of TÜV Rheinland Nederland B.V.

This annex is valid from: 31-05-2022 to 01-05-2023

Replaces annex dated: 21-04-2022

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.S.02	Automotive EMC tests	EMC.E.31, EMC.E.33, EMC.I.39, EMC.I.41	United Nations Regulations ECE R10.05/01, ECE R10.06, ISO 7637-2, CISPR 25, EN 55025, CISPR 12, EN 55012, EN 50948, ISO11452-2, ISO11452-2:2004, ISO 11452:2019	
EMC.S.03	Electrical and electronic equipment EMC tests	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.04, EMC.E.05, EMC.E.07, EMC.E.15, EMC.E.18, EMC.E.21, EMC.E.26, EMC.E.27, EMC.I.07, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.25, EMC.I.26, EMC.I.33, EMC.I.38	EN 12015, EN 12016, EN 12405, EN 12895, EN 13309, EN 45501, EN 50065-1, EN 50065-2-1, EN 50065-2-2, EN 50065-2-3, EN 50121-1, EN 50121-2, EN 50121-3-1, EN 50121-3-2, EN 50121-4, EN 50121-5, EN 50130-4, EN 50148, EN 50293, EN 50370-1, EN-50470-1, EN 50491-5-1, EN 50491-5-2, EN 50491-5-3, EN 50498, EN 50561-1, EN 55011, EN 55012, EN 55014-1, EN 55014-2, EN 55015, EN 55024, EN 55025; EN55103-1, EN 55103-2, EN 55032, EN 55035, EN/IEC 60601-1-2, EN/IEC 60730-1, EN/IEC60730-2-7, EN/IEC60730-2-18, EN/IEC 61000-6-1, EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN/IEC 61000-6-4, EN/IEC 61037, EN/IEC 61038, EN/IEC 61131-2, EN/IEC 61204-3, EN/IEC 61326-1, EN/IEC 61326-2-1, EN/IEC61326-2-2, EN/IEC 61326-2-3, EN/IEC 61326-2-6, EN/IEC 61326-3, EN/IEC 61547, EN/IEC 61800-3, EN/IEC 62052-11, EN/IEC 62040-2, EN/IEC 62052-21, EN/IEC 62053-11, EN/IEC62053-21, EN/IEC 62054-11, EN/IEC 62054-21, CISPR32, CISPR 11, CISPR 14-1, CISPR 14-2, CISPR 15, CISPR 32, CISPR 35, EN/IEC 62052-11, EN/IEC 62040-2, OIML R117, OIML R118, OIML R76, EN 301 386, EN 301 489-1 up to EN 301 489-53, EN 301 843-1, EN 301 843-2	
EMC.S.05	FCC EMC tests	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.04, EMC.E.05, EMC.E.07, EMC.E.15,	ANSI C63.2 ; ANSI C63.4 2014 ; ANSI C63.10 2013, 47 CFR Part 15, 47 CFR Part 18, 47 CFR Part 15 clause 15.223, 15.225, 15.231, 15.243, 15.245, 15.247, 15.249	
EMC.S.07	ISED EMC tests	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.04, EMC.E.05, EMC.E.07, EMC.E.15,	ICES-001, ICES-003, RSS-Gen, RSS-210, RSS-247, RSS-102 (RF Exposure) and (NS) ; SPR-002 ANSI C63.2 ; ANSI C63.4-2014 ; ANSI C63.10-2013	

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **L 484**

of **TÜV Rheinland Nederland B.V.**

This annex is valid from: **31-05-2022 to 01-05-2023**

Replaces annex dated: **21-04-2022**

No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.S.08	Wheelchairs and similar products	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.04, EMC.E.05, EMC.E.07, EMC.E.15, EMC.E.18, EMC.E.21, EMC.E.26, EMC.E.27, EMC.I.07, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.25, EMC.I.26, EMC.I.33, EMC.I.38	EN 12182, EN 12184, ISO 7176-14, ISO 7176-21, ISO 7176-22	
EMC.S.09	Measuring relays and protection equipment	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.04, EMC.E.05, EMC.E.07, EMC.E.15, EMC.E.18, EMC.E.21, EMC.E.26, EMC.E.27, EMC.I.07, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.25, EMC.I.26, EMC.I.33, EMC.I.38	IEC/EN 60255-25: 2013 Table 1, items 1.1, 1.2, Table 2, items 2.1, Table 3 Items 3.1, 3.2, 3.3, Table 4, items 4.1, 4.2, 4.3, 4.4, 4.5 AC dips only, 4.6 AC only, Table 5, items 5.1, 5.2, 5.3, 5.4, Table 6, items 6.1, 6.2, 6.3, 6.4, Table 7, items 7.1, 7.2	

**Product standards containing one or more of the above mentioned test activities are listed below.
 Accreditation is only applicable to the tests mentioned above.**

Safety Testing

c.	Safety Testing	Verrichting 208 ; 209 ; 211 en 235 t/m 255	EN/IEC 60065, EN/IEC 60335-1, EN/IEC 60950-1, EN/IEC 62368-1 EN/IEC 61010-1, EN/IEC 61010-2-010, EN/IEC 61010-2-081, EN/IEC 61010-2-101, EN/IEC 62311, EN50360, EN50566, EN62479 EN 12184 ; EN/IEC 62052-31	
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