

**DoP-NDPL-H-V1-R0****Harmonized product standard / Harmoniserad produktstandard: EN 14351-1:2006+A2:2016 - EN 16034:2014**

The products declared in the table conform to the essential characteristic performance indicated. This declaration of performance is issued under the sole responsibility of the manufacturer.

Produkterna deklarerade i tabellen är i överensstämmelse med angiven prestanda. Denna prestandadeklaration utfärdas på eget ansvar av den angivna tillverkaren.

In accordance with EU directive 305/2011, we hereby declare that the following NorDan products, being manually operated windows/doors/screens for fitting vertically in domestic and commercial buildings, are produced in accordance with product standard EN 14351-1:2006+A2:2016 - EN 16034:2014, declared using system of attestation 3, in annex ZA.2 and verified by assessment and ITT.

I enlighet med EU-direktiv 305/2011, förklarar vi härmed att följande NorDan produkter, handmanövrerade dörrar/fönster/skärmar för vertikal installation i bostäder och kommersiella byggnader, är tillverkade i enlighet med produktstandard EN 14351-1:2006+A2:2016 - 16034:2014, deklarerar enligt system för bestyrkande 3 i bilaga ZA.2, och kontrollerad av evaluering och ITT.

**Produced by / Tillverkad av**

- NorDan AS, Stasjonsveien 46, 4460 Moi Norway
- NorDan AS, Skansen 30, 2670 Otta Norway
- NorDan AS, Tengsareidveien 1, 4373 Egersund Norway
- NorDan AB, Fröreda 228, 574 55 Kvillsfors Sweden
- NorDan AB, Kvadervägen 1, 331 73 Bor Sweden
- NorDan AB, Grebbestadsvägen 8, 457 91 Tanumshede Sweden
- NorDan Sp. z o.o., Fabryczna 16, 64-200 Wolsztyn Poland
- NorDan Sp. z o.o., Powodowo 54, 64-200 Wolsztyn Poland
- NorDan UAB, Montuotoju g. 6 Mazeikiai 89101 Lithuania

**Assessed in accordance with 7.5 by following Notified bodies / Kontrollerad enligt 7.5 av följande provningsorgan**

- RISE Research Institute of Sweden (NB 0402)
- British Board of Agrément United Kingdom (NB 0836)
- SINTEF Building and Infrastructure Norway (NB 1071)
- Bluesky Certification United Kingdom (NB 2731)
- DTI Danish Technological institute Denmark (NB 1235)
- GRYFITLAB SP z o.o. (NB 2253)
- Mobilne Laboratorium Techniki Budowlanej Sp. z o.o. (2189)

Signed on behalf of NorDan AS / Signerad och på uppdrag av NorDan AS



**Raymond Bakken**

Product Development Manager

10.01.24

EN 14351-1:2006 +A2:2016 Table 2	EN 14351-1:2006 +A2:2016	EN 16034:2014	Product group	H1 EI30		H1 Standard	
			Product Code	FG301 / FG306 / FG304 / FG303	FG308	HG-102 / HG-101 / HG-106 / HG-107 / HG-103 / HG-105 / HG-111 /	HG-104 / HG-108 / HG-110 / HG-109
1 + 2	4.2	-	<b>Resistance to Windload</b>	<b>Class C5 (2000 Pa)</b>	<b>Class C5 (2000 Pa)</b>	<b>Class E2400</b>	<b>Class E2400</b>
			Test and Classification	EN 12211:2016 EN 12210:2016	EN 12211:2016 EN 12210:2016	EN 12211:2016 EN 12210:2016	EN 12211:2016 EN 12210:2016
			Notified Body	NB 2189	NB 2189	0836	0836
			Test Report	MLTB-4162-2021	MLTB-4162-2021	No 59926A	No 59926A
			Size tested (Frame WxH)	1088 x 2188 mm	1088 x 2188 mm	1085 x 2390 mm	1085 x 2390 mm
3	4.5	-	<b>Watertightness</b>	<b>Class 9A (600 Pa)</b>	<b>Class 9A (600 Pa)</b>	<b>Class 9A (600 Pa)</b>	<b>Class 9A (600 Pa)</b>
			Test and Classification	EN 1027:2000 EN 12208:2000	EN 1027:2000 EN 12208:2000	EN 1027:2000 EN 12208:2000	EN 1027:2000 EN 12208:2000
			Notified Body	NB 2189	NB 2189	0836	0836
			Test Report no.	MLTB-4162-2021	MLTB-4162-2021	No 59926A	No 59926A
			Size tested (Frame WxH)	1088 x 2188 mm	1088 x 2188 mm	1085 x 2390 mm	1085 x 2390 mm
5	4.6	-	<b>Dangerous Substances</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
6	4.7	-	<b>Impact resistance (glass)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
7	4.8	-	<b>Load-bearing capacity of safety device</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
8	4.9	-	<b>Height and width</b>	<b>See example</b>	<b>See example</b>	<b>See example</b>	<b>See example</b>
			Test and Classification	EN 12519:2018	EN 12519:2018	EN 12519:2018	EN 12519:2018
			Notified Body	N/A	N/A	N/A	N/A
			Test Report	N/A	N/A	N/A	N/A
			Calculation examples clear opening 90° (w x h)	988 x 2088 mm = 815 x 2007 mm	988 x 2088 mm = 815 x 2007 mm	988 x 2088 mm = 818 x 2007 mm (without handle) 743 x 2007 mm (with handle)	988 x 2088 mm = 818 x 2007 mm (without handle) 743 x 2007 mm (with handle)
			Maximum door width (systemically)	1088 mm	1088 mm	1088 mm	1088 mm
			Maximum door height (systemically)	2388 mm	2388 mm	2388 mm	2388 mm
9	4.10	-	<b>Ability to release</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
10	4.11	-	<b>Acoustics</b>	<b>N / A</b>	<b>N / A</b>	<b>N / A</b>	<b>N / A</b>
11	4.12	-	<b>Thermal transmittance</b>	<b>1,2 (W/m2K) FG304 / 1,4 (W/m2K) others</b>	<b>1,4 (W/m2K)</b>	<b>1,2 (W/m2K)</b>	<b>1,0 (W/m2K)</b>
			Test and Classification	EN ISO 10077-1:2006/AC:2009 EN ISO 10077-2:2012/AC:2012 Program "Therm" EN 673	EN ISO 10077-1:2006/AC:2009 EN ISO 10077-2:2012/AC:2012 Program "Therm" EN 673	EN ISO 10077-1:2006/AC:2009 EN ISO 10077-2:2012/AC:2012 Program "Therm" EN 673	EN ISO 10077-1:2006/AC:2009 EN ISO 10077-2:2012/AC:2012 Program "Therm" EN 673
			Notified Body	NB 2189	NB 2189	-	-
			Size tested (Frame WxH)	1088 x 2188 mm	1088 x 2188 mm	988 x 2088 mm	988 x 2088 mm
			Calculation examples w/IGU	N/A	N/A	N/A	N/A
			Glass for calculations	Pyrobel EI30 Ar 17.3+10+8.76 mm	Pyrobel EI30 Ar 17.3+10+8.76 mm	DGU (6,76+16G+ES4)	DGU (6,76+16G+ES4)
12 + 13	4.13	-	<b>Radiation properties</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
14	4.14	-	<b>Air permability</b>	<b>4 (600 Pa)</b>	<b>4 (600 Pa)</b>	<b>4 (600 Pa)</b>	<b>4 (600 Pa)</b>
			Test and Classification	EN 1026:2016 EN 12207:2000	EN 1026:2016 EN 12207:2000	EN 1026:2016 EN 12207:2000	EN 1026:2016 EN 12207:2000
			Notified Body	NB 2189	NB 2189	0836	0836
			Test Report / Testrapport	MLTB-4162-2021	MLTB-4162-2021	No 59926A	No 59926A
			Size tested (Frame WxH)	1088 x 2188 mm	1088 x 2188 mm	1085 x 2390 mm	1085 x 2390 mm
15	4.16	-	<b>Operating forces</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
16	4.17	-	<b>Mechanical strength</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
17	4.18	-	<b>Ventilation</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
18	4.19	-	<b>Bullet resistance</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
19 + 20	4.20.1 + 4.20.2	-	<b>Explosion resistance</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
21	4.21	-	<b>Resistance to repeated opening and closing</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
22	4.22	-	<b>Behavior between different climates</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
23	4.23	-	<b>Burglar resistance</b>	<b>N/A</b>	<b>N/A</b>	<b>SBD / PAS 24</b>	<b>SBD / PAS 24</b>
-	-	ZA.1 4.1	<b>Resistant to fire</b>	<b>EI130</b>	<b>EI130</b>	-	-
			Test and Classification	Fire resistance test: EN1634-1 +A1:2018-03, EN 1363-1:2020-07 Classification: EN 13501-2:2016	Fire resistance test: EN1634-1 +A1:2018-03, EN 1363-1:2020-07 Classification: EN 13501-2:2016	-	-
			Notified Body	2253	2253	-	-
			Test Report	LBO-1532 - 21E / LBO-1520.1/21E	LBO-198-N-21E / LBO-199-N-21E	-	-
			Classification Report	LBO-1540-K/21E / LBO-1520.2-K/21E	LBO-199-N-K-21E	-	-
			Size tested (Frame WxH)	1088 x 2088 mm	1088 x 2088 mm	-	-
-	-	ZA.1 4.2	<b>Smoke control</b>	<b>N/A</b>	<b>N/A</b>	-	-
-	-	ZA.1 4.3	<b>Ability to release</b>	<b>NPD</b>	<b>NPD</b>	-	-
-	-	ZA.1 4.4	<b>Self-closing</b>	<b>CO</b>	<b>CO</b>	-	-
-	-	ZA.1 4.5.1	<b>Durability of ability to release</b>	<b>NPD</b>	<b>NPD</b>	-	-
-	-	ZA.1 4.5.2.1 (2)	<b>Durability of self-closing</b>	<b>NPD</b>	<b>NPD</b>	-	-

Windows and Doors containing electrical and electronic equipment are in conformity with RoHS (Directive 2011/65/EU of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment) as amended by Directive 2015/863.F  
Fönster och dörrar som innehåller elektrisk och elektronisk utrustning överensstämmer med RoHS (Direktiv 2011/65/EU av Europaparlamentet om begränsning i användandet av vissa farliga ämnen i elektrisk och elektronisk utrustning) med korrigerig av Direktiv 2015/863.