

DECLARATION OF PERFORMANCE: DoP-VWUAB-AL-002-EN

NorDan UAB
 Montuotoju 6
 LT 89101 Mazeikiai
 Lithuania
 info@nordan.lt

In accordance CPR (Construction Products Regulation) 305/2011, we hereby declare that the following NorDan products as shown in Table 1, being manually operated windows / doors for fitting vertically in domestic and commercial buildings and produced by:

- NorDan AS Stasjonsvein 46 N-4460 Moi. Norway
- NorDan AS. Skansen, N-2670 Otta. Norway
- NorDan AS Tengsareidveien 1,N-4373 Egersund. Norway
- NorDan AB Kvadervägen 1 SE-330 15 Bor. Sweden.
- NorDan AB Nyboholm SE-570 16 Kvillefors. Sweden.
- NorDan AB Grebbestadvägen 8, SE-457 91 Tanumshede. Sweden
- NorDan SP.zo.o, UL. Fabryczna 16, 64-200 Wolsztyn, Poland
- NorDan UAB, Montuotoju 6, LT-89101 Mazeikiai, Lithuania

-are in accordance with product standard EN 14351-1:2006+A2:2016, declared using system of attestation 3 in annex ZA.2 of EN 14351-1:2006+A2:2016 and verified by assessment and ITT by the following notified bodies:

- RISE Research Institutes of Sweden (nr 0402)
- British Board of Agreement (Nr. 0836)
- SINTEF Building and Infrastructure (Nr. 1071)
- KTU Institute of Architecture and Construction (nr 2018)
- Group of testing laboratories GRYFITLAB (nr 2253)

Table 1: HelAlu Sapa 1086 Tilt Before Turn (TBT) windows

Characteristic	AKD-1086	AKD-1086 SX	AKD-1086 PX
Resistance to wind load Test pressure (EN 12210:1999)	3	3	3
Resistance to wind load Frame deflection (EN 12210:1999)	C	C	C
Water tightness (EN 12208:1999)	9A	9A	9A
Load-bearing capacity of safety devices (Threshold 350N)	Passed	Passed	Passed
Thermal transmittance U_w (EN ISO10077-1:2006) & EN ISO 10077-2:2012) (W/m^2K) *	1.1	0.94	0.82
Solar energy transmission % (EN 410:2011) *	53	53	53
Light transmission % (EN 410:2011) *	74	74	74
Air permeability (EN 12207:1999)	4	4	4
Acoustic performance (EN ISO 140-3:1995) $R_w(C;Ctr)$ dB	npd	* 35(-2;-7) * ^a 41(-2;-5) * ^b 45(-1;-4)	npd

* Based on reference window size 1230 x 1480 mm glazed with glass unit 4LowE-20W-4-20W-4LowE, $U_g=0.5 W/m^2K$

*^a Based on reference window size 1230 x 1480 mm glazed with glass unit 6LowE-16W-6-16W-44.2LowE, $U_g=0.6 W/m^2K$

*^b Based on reference window size 1230 x 1480 mm glazed with glass unit 55.2SR LowE-14W-6-12W-44.2SR LowE, $U_g=0.7 W/m^2K$

npd – no performance determined

-and that the products shown in table 1 conform to the essential characteristic performance indicated. This declaration of performance is issued under sole responsibility of the manufacturer.

On behalf of manufacturer signed by:

Dainius Kubilas

Chief Product Officer

LTU Mazeikiai 23/09/2021

