

Product description

Topswing window with frame out of wood and option equipped with aluminum cladding



NorDan Certification

Quality management system	ISO 9001
Environmental management system	No / ISO 14001

Construction product declaration (CPD)

Has a construction product declaration been made for the product	NorDan Ntech Villa Topswing Reversible – TG (Without Alu Clad)
	NorDan Ntech Villa Topswing Reversible – TG (With Alu Clad)
	NorDan Ntech Villa Topswing Reversible – BG (Without Alu Clad)
	NorDan Ntech Villa Topswing Reversible – BG (With Alu Clad)
% of declared material content:	100%
Are there substances on the candidate list present in the article?	No substances present to our knowledge in a concentration of > 0.1% by weight
The concentration of included substances has been calculated at:	Component level

Raw material

Proportion of renewable material in the article	24 - 24.79% by weight
Is wooden raw material certified	Yes
Which certification system is used for wood material	PEFC, FSC
How large proportion is certified	70 ≤ 100% certified
Does the article contain type of wood or origin in CITES appendix of endangered species	No
Proportion of recycled material in the article	Total 16.634% by weight, 4.106% post-consumer, 12.529% pre-consumer by weight

Environmental product declaration - EPD

Is there an environmental product declaration been made for the product?	Yes
Registration number / ID-number for EPD:	NEPD-2381-1115 / NEPD-2380-1115
What product category rules have been applied	CEN Standard EN 15804 serves as core PCR NPCR014:2019 version 3.0 for Windows and doors
Is the EPD published:	NorDan NTech Villa Topswing Reversible – TG (With Alu Clad)
	NorDan NTech Villa Topswing Reversible – TG (Without Alu Clad)

Environmental impact during product life cycle Module A1-A3 according to EN15804 (Without / With Aluminium cladding)

Climate impact (GWP100) [kg CO2-ekv]	9.28E+01 / 1.09E+02
Ozone depletion (ODP) [kg CFC11-ekv]	5.20E-06 / 6.27E-06
Acidification (AP) [kg SO2-ekv]	6.12E-01 / 7.07E-01
Ground-level ozone (POCP) [kg C2H4-ekv]	1.42E-01 / 1.50E-01
Eutrophication (EP) [kg PO43- -ekv]	8.60E-02 / 9.47E-02
Renewable energy (TPE) [MJ]	9.53E+02 / 1.0E+03
Non-Renewable energy (TRPE) [MJ]	1.79E+03 / 2.0E+03



Waste management

Is reuse possible for whole or parts of the article when it becomes waste	Yes	During warranty time 100% can be reused
Is material recovery possible for whole or parts of the article when it becomes waste	Yes	Without alu clad: 70.22% by weight With alu clad: 70.67% by weight
Is energy recovery possible for whole or parts of the article when it becomes waste	Yes	Without alu clad: 29.78% by weight With alu clad: 29.33% by weight

Systems for environmental buildings

	Mat 01	Yes	EPD is available
	Mat 03	Yes	FSC / PEFC certificate
	MAT 01 (A20)	Yes	No substances present to our knowledge in a concentration of > 0.1% by weight
	MAT 01 (Ecoproduct / Swan ecolabel)	No	ECOproduct isn't available for the product today. NorDan Ntech Villa Topswing reversible - Passive is available as Swan Ecolabel.
	Mat 07	Yes	A public construction product declaration (CPD) is available for the product, it is BASTA registered and assessed by both Byggvarubedømmingen and Sundahus.
	3.0 Ind 13	Yes	A construction product declaration (CPD) is publicly available for the product.
	3.0 Ind 14	Yes	The product does not contain U-, R- or endocrine disruptors according to set requirements and LCI values are not exceeded.
Nordic Swan Ecolabelled buildings	Nordic Ecolabelling Building Products Database	Yes	Listed in database for building products and can be used in Nordic Swan Ecolabelled buildings NorDan TG Vridfönster 105 mm NorDan TG NTech Villa Topswing reversible ND NTech Villa Vridfönster – BG Trä, Trä/Alu

Environmental product assessments and systems

	No	ECOproduct isn't available for the product today.
	Yes	NorDan BG Vridfönster Trä/Alu 105 – BVB ID 126471 - Accepted NorDan TG Vridfönster Trä/Alu 105 – BVB ID 112193 - Accepted
	Yes	NorDan TG Vridfönster Trä/Alu 105 – A - SHMD-W5TLYMEJ7
	Yes	BASTA Registered
	Yes	NorDan Ntech Villa Topswing reversible - Passive is available as Swan Ecolabel