



Gjelder for produktkoder:
1B: 801

Topcoat	0,152%	0,55%	Two-component alkyd based topcoat		0,1516%	0,5463%								
<i>Note: two-component alkyd based topcoat</i>														
Hardener, topcoat	0,033%	0,12%	Benzene, 2,4-diisocyanato-1-methyl-, polymer with 1,6-diisocyanatohexane	26426-91-5	0,0084%	0,0301%	H319 H317							
<i>Note: hardener for two-component alkyd based topcoat</i>			Hexamethylene diisocyanate, oligomers	28182-81-2	0,0057%	0,0205%	H332 H317 H335							
			hexametylen-1,6-diisocyanat	822-06-0	0,0001%	0,0004%	H331 H315 H319 H334 H317 H335		✓				✓	
Adhesive & Sealer	0,25%	0,90%												
Adhesive, finger joints, frame	0,24%	0,85%	Polyvinyl acetate emul. Water based.		0,2351%	0,847%								
<i>Note: PVAc dispersion adhesive</i>														
Elastic sealants	0,02%	0,06%	Trimethoxyvinylsilane	2768-02-7	0,0001%	0,0003%	H226, H332, H317							✓
<i>Note: SMP-based (Silyl Modified Polymer)</i>														
2. Sash	66,32%	100,0%												
Wood material frame	17,34%	26,15%												
Frame door leaf	17,3%	26,15%	Untreated pine, finger jointed		17,344%	26,152%								
Steel-plate	18,03%	27,19%												
Steel plate	18,0%	27,19%	EN 10346		17,491%	26,374%								
			Coating		0,541%	0,816%								
Fiber board	25,44%	38,37%												
MDF	25,44%	38,37%	Timber		23,027%	34,721%								
			MDI Resin	9016-87-9	2,036%	3,069%								
			Paraffin wax	8002-74-2	0,382%	0,575%								
Insulation	3,11%	4,68%												
EPS-insulation	3,11%	4,68%	Polystyrene	9003-53-6	3,043%	4,589%								
			n-Pentane	109-66-0	0,062%	0,094%								
			Isopentane	78-78-4	0,062%	0,094%								
Wood treatment & Coating	1,57%	2,36%												
Primer	0,73%	1,09%	1,1,1-trimetylolpropan	77-99-6	0,0022%	0,0033%	2.H361fd							
<i>Note: two-component polyester acrylate primer</i>			Fatty acids, C18-unsatd., trimers, compds. with oleylamine	147900-93-4	0,0022%	0,0033%	H332 H317 H372 H411							
			Fatty acids, tall-oil, compds. with oleylamine	85711-55-3	0,0022%	0,0033%	H318 H317 H373							
Hardener Primer	0,22%	0,33%	Toluendiisocyanat	26471-62-5	0,0022%	0,0033%	H330 H315 H319 H334 H317 H351 H335 H412		✓				✓	
<i>Note: Hardener for two-component polyester acrylate primer</i>														
Topcoat	0,51%	0,76%	Two-component alkyd based topcoat		0,5063%	0,7635%								
<i>Note: two-component alkyd based topcoat</i>														
Hardener, topcoat	0,11%	0,17%	Benzene, 2,4-diisocyanato-1-methyl-, polymer with 1,6-diisocyanatohexane	26426-91-5	0,0279%	0,0421%	H319 H317							
<i>Note: hardener for two-component alkyd based topcoat</i>			Hexamethylene diisocyanate, oligomers	28182-81-2	0,0190%	0,0286%	H332 H317 H335							
			hexametylen-1,6-diisocyanat	822-06-0	0,0003%	0,0005%	H331 H315 H319 H334 H317 H335		✓				✓	
Adhesive & Sealer	0,83%	1,25%												
Adhesiv, finger joints, frame	0,18%	0,26%	Polyvinyl acetate emul. Waterbased.		0,175%	0,264%								
<i>Note: PVAc dispersion adhesive</i>														
Adhesive door leaf	0,55%	0,84%	1,2-benzisotiazol-3(2H)-on reaktionsblanding av 5-klor-2-metyl-2H-isotiazol-3-on och 2-metyl-2H-isotiazol-3-on	2634-33-5	0,000%	0,000%	H302 H315 H318 H317 H400							✓
<i>Note: two-component EPI adhesive</i>			bronopol (INN)	55-51-7	0,00028%	0,00042%	H302, H312, H315, H318, H335, H400							✓
			Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	0,0993%	0,1497%	H332 H315 H319 H334 H317 H351 H335 H373							



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 1B: 801

Note: two-component EPI adhesive			Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-methyl-omega-hydroxypoly(oxy-1,2-ethanedivl)	70644-56-3	0,0050%	0,0075%	H332 H315 H319 H334 H351 H335 H373									
4. Plastic parts	0,03%	100,0%														
Cover plugs	0,007%	19,23%	LLDPE	9002-88-4	0,007%	19,232%										
Cover plugs	0,028%	80,77%	LDPE	9002-88-4	0,028%	80,768%										
5. Seals, rubber & TPU parts	0,74%	100,0%														
Main gasket	0,59%	78,84%	Silicone rubber	63394-02-5	0,587%	78,840%										
Sealing in frame	0,01%	1,72%	Polyeten-foam	933-091-9	0,013%	1,724%										
Brush-list	0,14%	19,44%	PP-foam	9010-79-1	0,145%	19,437%										
6. Metal parts	5,16%	100,0%														
Hinge Frame	1,57%	30,37%	DC01(Q235)		1,157%	0,018%										
			PA6		0,012%	0,004%										
			SS304		0,160%	0,048%										
			ML08AL/HG215		0,238%	0,072%										
			Coating		0,001%	0,000%										
Hinge Door leaf	1,27%	24,68%	DC01(Q235)		1,157%	0,285%										
			PA6		0,012%	0,003%										
			ML08AL		0,103%	0,026%										
			Coating		0,001%	0,000%										
Lock case ASSA 2002	1,40%	27,19%	Steel	EN 1.0346, EN 1.0401, EN 1.0984	1,220%	23,657%										
			Zinc	ZZnAlD4	0,112%	2,175%										
			Stainless steel	EN 1.0330	0,070%	1,360%										
			Plastic	PP, PA	0,014%	0,272%										
Strike plate	0,60%	11,65%	Steel	EN 10149-2	0,42%	8,158%										
			Steel	SS-EN 10139	0,02%	0,350%										
			Galvanized steel		0,18%	3,496%										
			Steel	DC03	0,04%	0,699%										
			Steel	4,8 ISO 7046	0,018%	0,350%										
Screws																
Screws A2	0,19%	3,66%	Stainless steel	EN 1.4301	0,189%	3,659%										
Screws	0,13%	2,44%	Galvanized steel		0,126%	2,441%										

4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Steelplate	20,00%	3,61%	Wood	67,47%
Aluminium	8,00%	0,18%		

Grade of certified wood: 70-100%

Certification system: FSC

Comment: The percentage above refers to the certified percentage of the wood raw material included in the production. Finished product is not sold certified.

Country of origin wood raw material: Finland/ Estonia

Certificate

5. Environmental impact

Is there an Environmental Product Declaration (EPD) produced according to EN15804 or ISO14025 for the product? Yes

ID number for EPD: NEPD-4180-3407

EPD, declared size: 1230x2180

EPD-Name: NorDan Bor Ytterdörr 801 Lejonet

GWP Functional unit*				GWP/kg
A1-A3 GWP _{total} (kg CO ₂ e)	A1-A3 GWP _{fossil} (kg CO ₂ e)	A1-A3 GWP _{biogenic} (kg CO ₂ e)	A1-A3 GWP _{luluc} (kg CO ₂ e)	A1-A3 GWP(total-biogent) / kg **
42,8	122,2	-81,0	1,18	1,75

* For project-specific values contact NorDan

** GWP value without the influence of biogenic carbon

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1B: 801

6. Distribution

Is the producer connected to a producer responsibility scheme for packaging? Yes
What system? FTI system

Packaging is sorted according to below

Cardboard	EWC	150101
Plastic packaging	EWC	150102
Wood packaging	EWC	150103

7 & 8. Construction and use phase

Does the product have special requirements for storage? See window owner's manual
Does the product place special demands on surrounding building materials? See window owner's manual
Does the product require input goods for operation and maintenance? See window owner's manual

9. Demolition

Is the item prepared for dismantling? Yes
Can the product be separated into pure materials for recycling? Yes, see Window Owner's Manual
Does the product require special measures for the protection of health and the environment during demolition/dismantling? No

10. Waste management

Is reuse possible for all or part of the product? Yes, during the warranty period the product can be reused. After the warranty period, reuse is possible after assessment.

Is recycling possible? Yes

Rate of material recycling: 25,39%

Material	Weight % of whole item	Waste code
Aluminium	2,20%	EWC 170402
Metal	23,19%	EWC 170407
Glass	0,00%	EWC 200102

Is energy recovery possible? Yes

Energy recovery rate 74,61%

Material	Weight % of whole item	Waste code
Wood with sealant	73,83%	EWC 170201
Plastic/rubber	0,78%	EWC 170203

Waste code when the delivered goods become waste: 17 - Construction and demolition waste

When the delivered goods become waste, is it classified as hazardous waste? No

11. Indoor environment

Emissions to indoor air



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1B: 801

12. Building certification systems

	v6.1	Mat01	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan	
	v6.0				
	2016v1.2				
	v6.1	Mat02	Yes	The product contains no substances on the REACH Candidate list or the Norwegian priority list at or above 0,1 % by weight. Control has been made against REACH annexes XIV and XVII.	
	v6.0	2017v1.1	Mat01	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan
	v6.0	2017v1.1	Mat03	Yes	All wood used in the product consists of wood that is legally harvested and meets at least the requirements of the EUTR (EU Timber Regulation)
	v6.0	2017v1.1	Mat07	Yes	The product does not contain phase-out or risk reduction substances (according to KEMI's definition and EDS Cat1/ Cat2) above classification limits.
	2013v2.0	Mat08	Yes	Product does not contain phase-out substances (according to KEMI's definition) above classification limits	
	3.0 / 3.1 / 3.2	Ind 13	Gold	Public e-bvd or equivalent available	
		Ind 14	Gold	Attention MB sets requirements for emissions. Check these manually to ensure compliance!	
		Ind 15	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan	
	2.1 / 2.2	Ind 14	Gold	Public content declaration according to bvd3 is available	
		Ind 15	Gold	The product does not contain phase-out substances according to KEMI's definition above classification limits	
	4.0	Ind 4	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan	
		Ind 9	Silver	The product does not contain U, R or endocrine disruptors on Chemsec's SIN list of classification limits	
		Ind 15	Gold	Public e-bvd or equivalent available	

Nordic Swan Ecolabel buildings

HPP (Husproduktspalten)

Yes - NorDan Lejonet CYD 801

SCDP (Supply Chain Declaration Portal)

13. Product Assessment System

	No	ECOproduct isn't available for the product today.
	Yes	The product is listed in the database from Byggarubedömningen. Name: NorDan Bor CYD 801 10x21 Standard
	No	The product is not listed today in the database from SundaHus
	No	The product is not listed today in the database from Basta
Nordic Swan Ecolabel	No	Swan Ecolabel isn't available for the product today