

SustainableBuild Materialepas

Materialepas er et sæt data, der beskriver definerer egenskaber ved materialer i produkter, der giver dem værdi til nyttiggørelse, genbrug og genanvendelse.

Ejer af passet: Firma navn
Pasnummer: Unikt passnummer
Oprettet: DD.MM.AAAR.
Senest ændret: DD.MM.AAAR. Rev. nr.: _____

MP

logo af åben data
software generator

3. parts verificeret: Verificerings organisation: _____
 Ja Nej Verificeringsnummer: _____

% af varen der deklareres: _____

Generisk produkt navn

Firma navn i firma skrift A/S

FL

firmaets logo

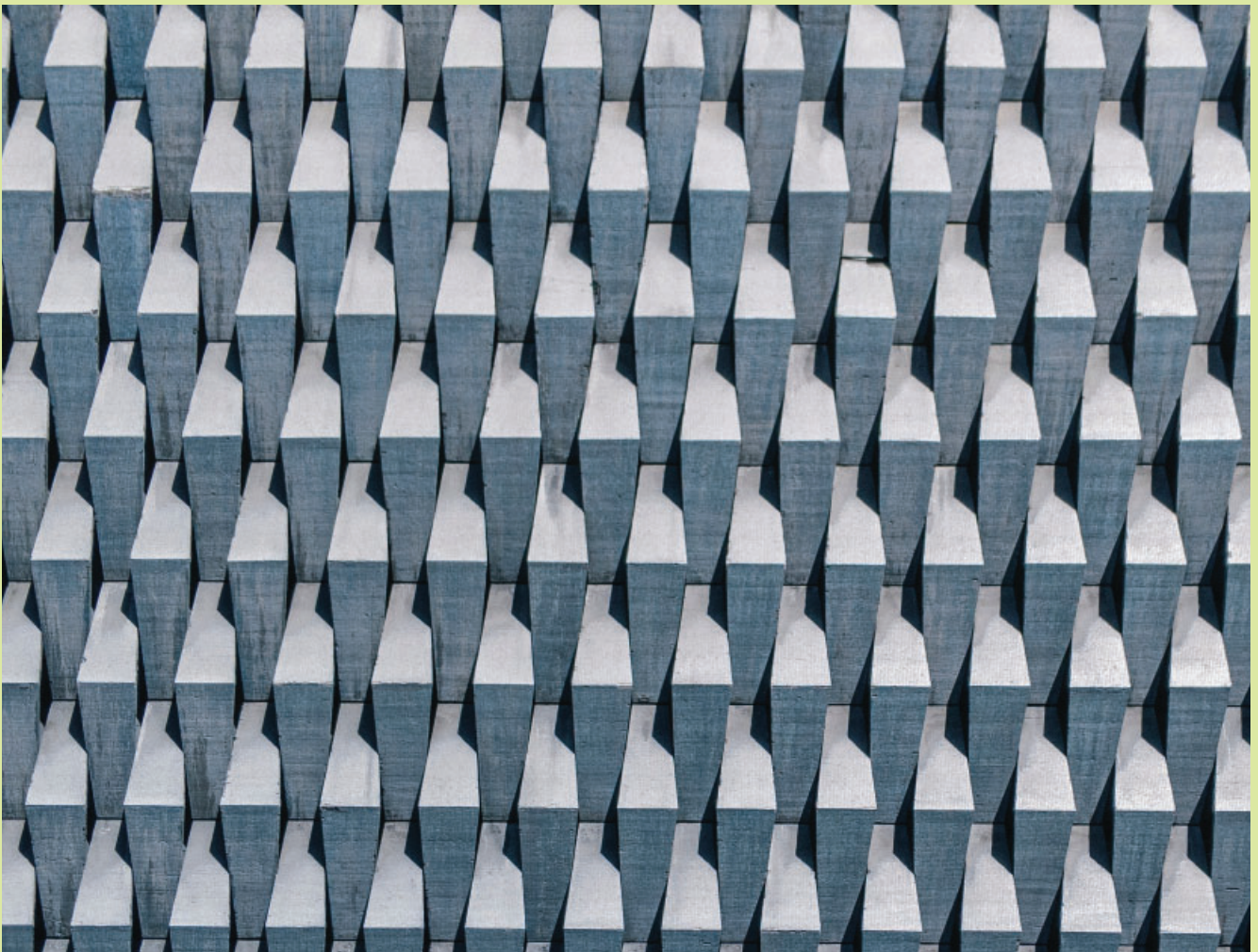


Photo by Diego González on Unsplash

SUSTAINABLE BUILD MATERIAL PASSPORT

(Jan. 17, 2023: Superseded by the Digital Construction Material Passport, please see the digital app.)

The purpose of the material passport is to provide essential information about a number of key areas relating to construction products and their impact on the environment, health and resource consumption:

1. Product information
2. Supplier information
3. Declaration of contents
4. Production process
5. Construction
6. Operations
7. Indoor climate
8. Future resource potential

The material passport's potential applications include use as a basis for the selection and specification of construction products, for documentation in certification processes (DGNB, BREEAM, LEED, etc.) and for Facility Management. This guarantees that the construction product meets legal requirements (EU and Danish legislation) as well as other company-specific requirements and expectations for sustainability.

The document "Sustainable Build Material Passport" was drawn up by Henning Larsen and NCC during Sustainable Build 2017, and further developed in 2019–2020 by Henning Larsen and NCC in a DAC Sustainable Build spin-off group "DK – Material Passport" supported by GI and Kuben. Participants in the group:

- NCC
- Henning Larsen
- SundaHus
- Dansk Byggecentre
- Danish Standards
- Troldekt
- Danish Association of Construction Clients
- Lendager Group
- Søren Jensen Rådgivende Ingeniørfirma A/S

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¹ This Word version is superseded by the digital version: - 30 October 2020, rev. 16 Jan 2023

3. Declaration of Contents

Is there a safety data sheet for the product?	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No
Is there a safety data sheet for the sub-components of the product?	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No
Does the product have the Nordic Swan Ecolabel or the EU Ecolabel?	<input type="checkbox"/> No criteria available <input type="checkbox"/> Yes, under criteria: <input type="checkbox"/> No
Are there other certifications for the product:	C2C (level): Blauer Engel (category): Other independent certifications:
Is an Environmental Product Declaration (EPD) available for the product?	<input type="checkbox"/> Yes, number: Provider: <input type="checkbox"/> No
Which units are used in this declaration of content?	(kg, kg/m ³ , m ² , pcs.): _____
The level of declaration is:	<input type="checkbox"/> 100 ppm <input type="checkbox"/> 1,000 ppm
Is the product recycled?	<input type="checkbox"/> No <input type="checkbox"/> Yes, it comprises _____ % recycled content
What proportion of the product's ingredients can not be declared due to direct recycling?	Total weight _____ and % that cannot be declared due to recycling/level of reuse _____

Upon delivery, the product consists of the following components and ingredients and/or recycled and/or re-used components, and with the specified chemical composition. If the product consists of several components, each component must be declared separately.

Substances on the EU's REACH candidate list for approval and the endocrine priority list (currently awaiting update) must always be declared, regardless of their percentage of the total volume.

Contents table*

Component	Component consists of (specify material)	Ingredients/or direct recycling	Weight as a % of declared unit, or in g	Ingredients' EF no./CAS no.	Ingredients' Classification (H phrases)	Country of origin/Comment

Total weight of the product (incl. unit) *:	
Proportion as a % of the total product declared*:	
Number of different components in the product *:	
Number of different components in the product that are declared*:	
If applicable, state the content of VOCs in g/l:	
Does the product contain substances on REACH's candidate list and/or authorization list?*	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of checked REACH lists*:	

State reused and recycled materials used in the production of the product				<input type="checkbox"/> Not relevant
Type of material	Quantity and unit	% pre-consumer	% post-consumer	Comments
Have reused or recycled materials been checked by a third party with regard to origin, extraction of raw materials, manufacturing or recovery processes or similar? (See BES 6001:2008, EMS certificate, USGBC Program, MST?)				<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No
				If yes, under which system?

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8. Resource potential - demounting / disassembly / end-of-life

Note: Standards for circular product documentation are under development by CEN350 SC1. Until this is completed, please refer to the following article: <https://www.sciencedirect.com/science/article/pii/S0921344917301763>

Demounting / disassembly of the building: extracting the product from the built application				
Are there multiple options for mounting the product? (E.g., glued and/or screwed?)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", describe each option and answer entire section for each option:	
Can the product be taken down without significant deterioration?	<input type="checkbox"/> Not relevant		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the product require special measures to protect health and the environment during demolition/disassembly?	<input type="checkbox"/> Not relevant		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Can the product be disassembled after it has been built in/fitted without any significant deterioration?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", specify level of difficulty:	
<input type="checkbox"/> 1. Disassembly that can only be performed destructively, i.e., where the product irretrievably loses its technical and functional utility value.	<input type="checkbox"/> 2. Disassembly that cannot be performed of, for example, molded, laminated, combined or surface-treated materials.	<input type="checkbox"/> 3. Difficult removal of stubborn residues on materials such as floor coverings or window frames, e.g., residues from concrete floors, joint filler or paint.	<input type="checkbox"/> 4. In addition to manual work, also requires the use of machines that are suitable for use on the building site, e.g., by using lifting gear or releasing components by cutting, chopping, grinding.	<input type="checkbox"/> 5. Can be removed by hand or with simple tools: By releasing components by loosening brackets and screws or by tilting, pushing, pulling, lifting away, etc.
Disassembly of the product: is it possible / desirable to extract resources from the product for re-use or can the product be used without disassembly? ISO STANDARD 20887:2020 Sustainability in buildings and civil engineering works — Design for disassembly and adaptability — Principles, requirements and guidance				
Once removed from the building, can the product be disassembled to access components with re-use potential?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", specify level of difficulty:	
<input type="checkbox"/> 1. Chemical/cement compound, insoluble	<input type="checkbox"/> 2. Self-adhesive or water-soluble	<input type="checkbox"/> 3. Cast in situ	<input type="checkbox"/> 4. Welded	<input type="checkbox"/> 5. Rivets
<input type="checkbox"/> 6. Seam	<input type="checkbox"/> 7. Screw	<input checked="" type="checkbox"/> 8. Bolt	<input type="checkbox"/> 9. Friction	<input type="checkbox"/> 10. Quick release/split click/gravity
Is the product separated into parts in practice?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Recycling and disposal				
Is material recycling possible for all or part of the product?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", specify:
Assess the product's potential for future re-use as a % :				
% Hazardous waste	% Landfill	% Energy utilization	% Recovered substitute product (may be included as downcycled, such as road fill, drainage, etc.)	% Recycling in new build – adding other (raw) materials ensures higher functional value (composites)
% Reuse in new construction – with lower functional value in buildings; decomposition, granulation, etc., but no added material.	% Biodegradation, composting, returning to source without decomposition, or ecological loss of value	% Ready to recycle with the addition of material (similar functional value in the building)	% Ready to recycle after extensive cleaning (removal of mortar, paint, etc.), similar functional/economic value in the building	% Ready to recycle after simple cleaning with similar functional/economic value in the building
Does the supplier have restrictions and recommendations for material or energy recovery or disposal?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", specify:
Is there a take-back agreement at the time of the purchase?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", specify:
Is there an option for a lease to be established during the course of the use phase?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "Yes", specify:
Does the product display one or more of the properties HP 1 to HP 15/state EU waste code for the product supplied:		<input type="checkbox"/> No	<input type="checkbox"/> Yes	If "Yes", specify:
If the chemical composition of the product is changed after the construction process, resulting in the finished built-in product having a different waste code, state this here. If the product is unchanged, the following information is not needed.				
Does the product display one or more of the properties HP 1 to HP 15/state EU waste code:		<input type="checkbox"/> No	<input type="checkbox"/> Yes	If "Yes", specify:

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