DECLARACIÓN AMBIENTAL DE PRODUCTO
ENVIRONMENTAL PRODUCT DECLARATION

**COL·LEGI D'APARELLADORS,
ARQUITECTES TÈCNICS
I ENGINYERS D'EDIFICACIÓ
DE BARCELONA**

Product

Owner

Product description

PCR Reference

Production plant

Validity

From: To:

Administrator of Programme Operator: Col·legi d'Aparelladors,
Arquitectes Tècnics i Enginyers de l'Edificació de Barcelona (CAATEEB)

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ENVIRONMENTAL PRODUCT DECLARATION. EXECUTIVE SUMMARY

PROGRAMME OPERATOR DAPconstrucción®
Environmental product declarations of construction sector
www.csostenible.net

Administrator of Programme Operator
Col·legi d'Aparelladors, Arquitectes Tècnics i Enginyers de l'Edificació de Barcelona
Bon Pastor, 5 · 08021 Barcelona
www.apabcn.cat

Owner of the Declaration

Declaration carried out by:

Declared Product

Product description

Geographical representativeness

Variability between different products

Declaration Number	Registration date

Validity

This verified declaration authorises the owner to use the DAPcons® eco-label logo. The declaration is applicable exclusively to the product in question and for five years as of the date of registration.The responsible for the information contained in this declaration is:

Endorsed by CAATEEB	Endorsed by authorised verifier

ENVIRONMENTAL PRODUCT DECLARATION

1. PRODUCT DESCRIPTION AND APPLICATION

2. LIFE CYCLE PHASES DESCRIPTION

2.1. Manufacture (A1, A2 and A3)

Raw materials (A1 and A2)

Manufacturing (A3)

2.2. Construction (A4 and A5)

Product transport to the building site (A4)

Table 1. Transport scenarios of product to the building site

Destination	Type of transport	Percentage (%)	Average Km
Spain			
Europe			
Rest of the world			
		Total 100%	

Construction and instalation process (A5)

2.3. Product use (B1-B7)

2.4. End-of-life (C1-C4)

2.5. Benefits and loads beyond the system boundary (D)

3. LIFE CYCLE ASSESSEMENT

3.1.　　　　　　　Unit

3.2. System boundary

Table 2. Declared modules

Product stage			Construction Process Stage		Use stage							End of life stage				Benefits and loads beyond the system boundaries
Raw materials supply	Transport	Manufacturing	Transport	Installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational Energy use	Operational water use	De-construction	Transport	Waste processing	Disposal	Reuse, recovery, recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D

X = Included in LCA　　　　**MND** = Module not Declared

3.3. Data analysis for the life cycle (LCA)

Table 3. Indicators of the environmental impact

A1 Raw materials suply. A2 Transport. A3 Manufacturing Product. A4 Transport A5 Construction – Installation process B1 Use. B2 Maintenance. B3 Repair. B4 Replacement. B5 Refurbisshment. B6 Operational Energy use. B7 Operational water use. C1 Decosntruction and demolition. C2 Transport. C3 Waste management for reuse, recovery and recycling. C4 Disposal. MND Module not declared. MJ Net calorific value.

Table 4. Use of resources, waste and material outflows parameters

EXCEL

A1 Raw materials suply.   A2 Transport.   A3 Manufacturing Product.   A4 Transport   A5 Construction – Installation process   B1 Use.   B2 Maintenance.   B3 Repair.
B4 Replacement.   B5 Refurbisshment.   B6 Operational Energy use.   B7 Operational water use.   C1 Decosntruction and demolition.   C2 Transport.   C3 Waste
management for reuse, recovery and recycling.   C4 Disposal.   MND Module not declared.   MJ Net calorific value.

Table 5. Kg of biogenic carbon

Product	Kg
Packaging	Kg

3.4. Recommendations of this DAP

3.5. Cut-off rules

3.6. Additional environmental information

3.7. Other data

4. TECHNICAL INFORMATION AND SCENARIOS

4.1. Transport from the factory to the building site (A4)

Parameter	Parameter expressed by functional unit
Type and fuel consumption, type of vehicle used for transportation	
Distance	
Capacity utilization (including empty return)	
Apparent density of transported product	
Useful capacity factor (1, <1, or> 1 for products that are packed compressed or nested)	

4.2. Installation processes (A5)

Parameter	Parameter expressed by functional unit
Construction ancillary materials (specifying each material)	
Water consumption	
Consumption of other resources	
Quantitive despription of the type of energy (mix regional) and consumption during the installation process	
Materials waste on site before waste treatment, generated by the installation of the product (specify by type)	
Material outputs (specified by type) as a result of waste treatment on the building site. For example: collection for recycling, energy valuation, disposal (specified by route)	
Emisions to the air, ground or water	

Reference service life (B1)

Parameter	Parameter expressed by functional unit
Reference service life (RSL)	
Properties and characteristics of the product	
Requirements (ways of using, maintenance frequency, repair, etc.)	

4.4. Maintenance (B2), repair (B3), replacement (B4) or refurbishement (B5)

B2 Maintenance	
Parameter	**Parameter expressed by functional unit**
Maintenance, for example: cleaning agent, type of surfactant	
Maintenance cycle	
Auxiliar materials for the maintenance process (specifying each material)	
Net consumption of fresh water	
Loss of material during maintenance or repair (specifying the type)	

B3 Repair

Parameter	Parameter expressed by functional unit
Repair process	
Inspection process	
Repair cycle	
Auxiliary materials (specifying each material), e.g. lubricant	
Energy input during repair, vector type energy (for example, electricity) and quantity	
Energy input during the process of renovation (amount and type of energy vector)	
Loss of material during repair (specifying each material)	
Net consumption of fresh water	

B4 Replacement

Parameter	Parameter expressed by functional unit
Energy input during replacement, for example for the use of cranes (quantity and energy vector)	
Worn out parts replacement in the life cycle of the product (specifying each material)	
Replacement cycle	

B5 Rehabilitation	
Parameter	**Parameter expressed by functional unit**
Rehabilitation process	
Rehabilitation cycle	
Energy input during rehabilitation, for example for the use of cranes (quantity and energy vector)	
Material input for rehabilitation, including auxiliary materials (specified by material)	
Material waste during rehabilitation (specifying each material)	
Other scenario development assumptions	

4.5. Useful life reference

Parameter	**Parameter expressed by functional unit**
Useful life reference	
Product declared properties, finishes, etc.	
Application design parameters (manufacturer's instructions)	
Workmanship quality estimation, when installed in accordance with the manufacturer's instructions	
Outdoor environment for outdoor applications. For example, weather, pollutants, UV radiation, temperature, etc.	

Indoor environment for indoor applications. For example, temperature, humidity, exposure to chemicals	
Terms of use. For example, frequency of use, mechanical exposure, etc.	
Maintenance. For example, the required frequency, etc.	

4.6. Operational use of energy (B6) and water (B7)

Parameter	Parameter expressed by functional unit
Construction ancillary materials (specified by material)	
Energy vector type. For example, electricity, natural gas, district heating	
Equipment output power	
Net fresh water consumption	
Characteristic features (energy efficiency, emissions, etc.)	
Other scenarios development assumptions. For example, transportation	

4.7. End of life (C1-C4)

Process	Parameter expressed by functional unit
Collection processes (specified by types)	
Recovery systems (specified by type)	
Elimination	
Assumptions for the development of scenarios. For example, transportation	

5. ADDITIONAL INFORMATION

6. PCR AND VERIFICATION

This declaration is based on the Document

Independent verification of the declaration and data according to ISO 14025 and UNE EN15804 + A2

☐ Internal   ☐ External

Independent verifier appointed

Verification date

References

Administrator of programme operator

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