



ADMINISTRATOR OF  
PROGRAMME OPERATOR



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



# DECLARACIÓN AMBIENTAL DE PRODUCTO ENVIRONMENTAL PRODUCT DECLARATION

**DAPcons®.**

According to ISO 14025 and  
EN UNE 15804 + A2:2020



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

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## Product

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## Owner

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## Product description

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## PCR Reference

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## Production plant

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## Validity

From:

To:

The validity of DAPcons® is subject to the conditions of DAPcons® regulations. The relevant version of this DAPcons® is included in the register kept by the CAATEEB; for more information, consult the Program Operator website: [www.csostenible.net](http://www.csostenible.net)

# ENVIRONMENTAL PRODUCT DECLARATION. EXECUTIVE SUMMARY



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**PROGRAMME OPERATOR DAPconstrucción®**

Environmental product declarations of construction sector  
[www.csostenible.net](http://www.csostenible.net)

**Administrator of Programme Operator**

Col·legi d'Aparelladors, Arquitectes Tècnics i Enginyers de l'Edificació de Barcelona  
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**Owner of the Declaration**

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**Declaration carried out by:**

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**Declared Product**

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**Product description**

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**Geographical representativeness**

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**Variability between different products**

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**Declaration Number**

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**Registration date**

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**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:

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**Endorsed by CAATEEB**

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**Endorsed by authorised verifier**

## **ENVIRONMENTAL PRODUCT DECLARATION**

### **1. PRODUCT DESCRIPTION AND APPLICATION**





## 2. LIFE CYCLE PHASES DESCRIPTION

### 2.1. Manufacture (A1, A2 and A3)

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**Raw materials (A1 and A2)**

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**Manufacturing (A3)**

## 2.2. Construction (A4 and A5)

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### 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%	

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### 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 supply. **A2** Transport. **A3** Manufacturing Product. **A4** Transport **A5** Construction – Installation process **B1** Use. **B2** Maintenance. **B3** Repair. **B4** Replacement. **B5** Refurbishment. **B6** Operational Energy use. **B7** Operational water use. **C1** Deconstruction 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 supply. **A2** Transport. **A3** Manufacturing Product. **A4** Transport **A5** Construction – Installation process **B1** Use. **B2** Maintenance. **B3** Repair. **B4** Replacement. **B5** Refurbishment. **B6** Operational Energy use. **B7** Operational water use. **C1** Deconstruction 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**

<b>Product</b>	Kg
<b>Packaging</b>	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	
Quantitative description 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)	
Emissions 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 refurbishment (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

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**This declaration is based on the Document**

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

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Internal

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External

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**Independent verifier appointed**

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**Verification date**

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**References**

### **Administrator of programme operator**

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