Environmental Product Declaration
Short Version

EAA - European Aluminium Association
Av. de Broqueville 12
B-1150 Brussels
www.aluminium.org

Producer

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Declaration number

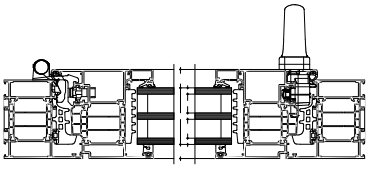
EAA-K/BK16_BI_TR-EN

Date of issue

08.06.2018

Declared product

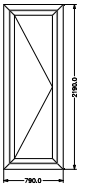
Profile system



Product type

The declared product is specified by the profile series, product name, product characteristics and section shown in the EPD document. It can consist of various building materials and related accessories.

Product Characteristics



Product characteristics

Construction size

Amount:	17
Width:	790.00 mm
Height:	2190.00 mm

Transparent area

Transparent area:	0.96 m²

Surface

Surface treatment:	powder coating / anodized

Total weight of the construction

Mass:	254.9 kg

Characteristics of the construction

Thermal transmittance (uw-value)[W/m²*K]:	0.81
Light transmittance value of glass (TL)[%]:	1
Solar factor (g-value)[%]:	npd
Burglar resistance:	npd
Acoustic performance [dB]:	npd

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Resistance to fire:	npd
Air permeability:	npd

According to EN 14351-1: npd - no performance determined
Characteristics provided by producer

Validity

This validated declaration applies to the above mentioned products for three years from date of issue. The producer is liable for the information and evidence on which the declaration is based. EAA and Hydro Building Systems are not liable for the user input relevant for the declaration. A long version of the EPD can be obtained from the producer.

Comparability

This EPD is based on information modules that do not cover all aspects of the product's use. An environmental assessment of a product has to consider also the product's application in the building and the respective environmental aspects during the use ph

Product Category Rules

The EPD is based on the PCR for Aluminium Building Products of the EAA Environmental Product Declaration Program. The PCR document is available from the EAA webpage www.aluminium.org.

Verification

Table 1: Verification information

Review of the PCR document by the independent Advisory Board. Chair of the Advisory Board: Dr. Eva Schmincke
Independent verification of the calculation system and the data the declaration is based on according to ISO 14025:2006 [ ] - Internal Verification [x] - External Verification
Verifier of the declaration tool: Dr. Eva Schmincke

Manufacturing

Assemblage of product:

The components, specifically the aluminium profiles which are already surface treated and connected with the thermal bars, are cut and tailored to the respective frame size. The residual aluminium profiles are preserved for recycling. Together with the fl

The assemblage is placed in Norge.

Applications

Building product mostly used in a building envelope. Product application is specified by profile series, product name, product characteristics and section show in the EPD document.

Packaging

Product packaging

Usually the product is not packaged. In rare cases a PE plastic wrap for protection is applied. The plastic foil is fed to the regional municipal waste collection system. The packaged products are placed in transport carriers and are placed on Euro-pallets. For transport to the building site a reusable carrier is applied.

Life Cycle Indicators

Table 2: Life Cycle Indicators

WICLINE 75 TOP, fönster		
Life Cycle Indicators	**Unit per product**	**Result for declared Life Cycle**
Primary energy, non-renewable	[MJ]	4,139E004
Primary energy, renewable	[MJ]	4099
Water consumption	[kg]	6,645E004
Depletion of Abiotic Resources (ADP)	[kg Sb eqv.]	20,88
Global Warming Potential (GWP)	[kg CO2 eqv.]	3664
Ozone Depletion Potential (ODP)	[kg R11 eqv.]	0,000766
Acidification Potential (AP)	[kg SO2 eqv.]	18,09
Eutrophication Potential (EP)	[kg PO4 eqv.]	1,72
Photochemical Ozone Creation Potential (POCP)	[kg ethene eqv.]	2,002
Non hazardous waste	[kg]	174,2
Hazardous waste	[kg]	27,21

The indicators are calculated from average data representive for the EU aluminium production as well as from generic data for a standard glazing unit and standard gaskets as well as standard generic date for thermal bars.

Profil systemets snitt

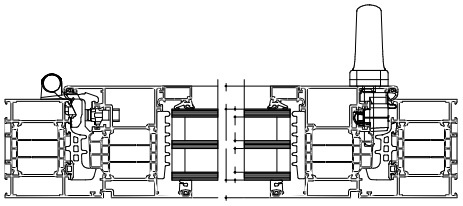

Figure 1: Horisontal snitt av profil system

european aluminium association

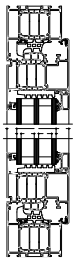

Figure 2: Vertikal snitt av profil system