CERTIFICATE

Certified Passive House Component

ID: 1792fp03 valid until 31. December 2026

Passive House Institute
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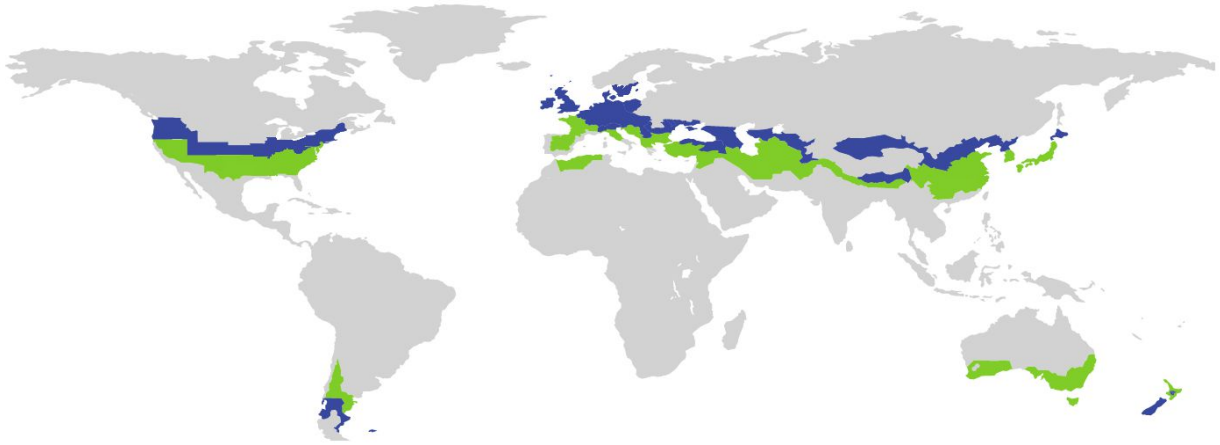
64342 Darmstadt
GERMANY



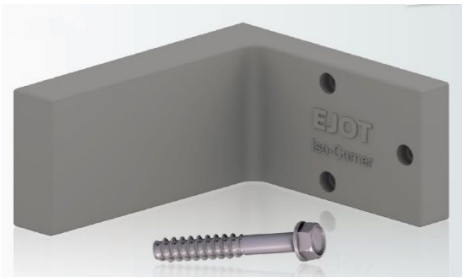
Category	**Fall protection**
Manufacturer	**EJOT SE & Co. KG, Market Unit Construction** **57334 Bad Laasphe** **GERMANY**
Product name	**ISO-Corner**

This certificate was awarded based on the following criteria for the climate zone

Hygiene criterion

The minimum temperature factor of the interior surfaces is

$f_{Rsi\ =\ 0,25\ m^2K/W}$ **≥ 0.70**



Efficiency criterion

The thermal bridge coefficient is

Δ_U **≤ 0.01 W/(m²K)**

cool, temperate climate

CERTIFIED COMPONENT

Passive House Institute

EJOT SE & Co. KG, Market Unit Construcktion
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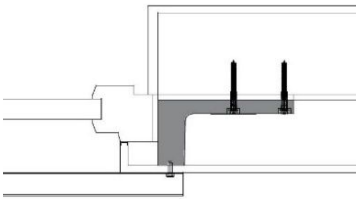
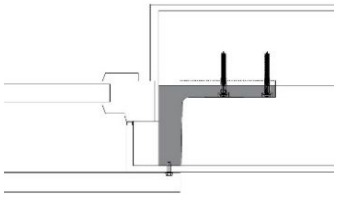
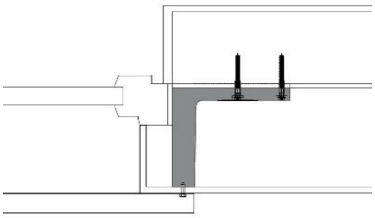
Determined values

ISO-Corner (140 mm)		Representation
Insulation thickness [mm]	**140**	
X Bracket [W/K]	**0.0061**	
Thermal bridge coeffienct surcharge Δ_U [W/(m²K)]	**0.01**	
Amount brackets [-]	**4.00**	

ISO-Corner (200 mm)		Representation
Insulation thickness [mm]	**200**	
X Bracket [W/K]	**0.0032**	
Thermal bridge coeffienct surcharge Δ_U [W/(m²K)]	**0.005**	
Amount brackets [-]	**4.00**	

ISO-Corner (240 mm)		Representation
Insulation thickness [mm]	**240**	
X Bracket [W/K]	**0.0039**	
Thermal bridge coeffienct surcharge Δ_U [W/(m²K)]	**0.006**	
Amount brackets [-]	**4.00**	

Specifications
The calculation is based on a floor-to-ceiling-window with a width of 1.10 m and a height of 2.20 m and consequently an area of 2.42 m². The point thermal bridge heat loss coefficient takes into account the number of mounting brackets and is converted into a U-value supplement. This supplement varies with window dimensions and number of mounting brackets.

Product description
EJOT Iso Corner is a mounting bracket for the approved mounting of attachments to ETICS systems. Due to its continuous polyurethane rigid foam, it contributes to the reduction of thermal bridges. It is installed using a coordinated set of anchors, as well as a EJOT Delta PT 100 screw for the attachment of the component into the support structure. Other applications: railings, folding and sliding shutters, brackets, e. g. for air conditioning units.

Note
The calculations are carried out in the same way as for the window installation systems. If the product is designed for specific mounting systems, it is possible to deviate from the reference situation in order to take into account any existing components (exterior plaster, adhesive layer, facade cladding, mounting brackets etc.). The thickness and thermal conductivity of the insulation layer correspond to the reference specification of the respective climate. The prerequisite for certification is the possibility of mounting the window frame in the insulation layer extending the insulation over the frame. The point thermal bridge heat loss coefficients of the mounting elements are determined by means of 3D heat flow simulation. The certificate shows the number of elements required and the resulting thermal bridge heat loss coefficient for the entire element. The influences of all necessary fasteners, as well as those of the guard-railings, are taken into account.
Calculations and boundary conditions according to the criteria and algorythms "Certified Passive House Component - Shading and window mounting systems, Version 2.1"