

Certificate

Certified Passive House component

for cool, temperate climate, valid until 31.12.2025

Category: **Facade anchor**
 Manufacturer: **U-kon Façade Systems LTD.**
Vancouver BC, CANADA
 Product name: **Wall bracket ND-06X**

The following criteria were used in awarding this certificate:

Efficiency Criterion

In a typical application*, the construction fulfills the requirements of

$$\text{Eff.}_{fa} \leq 0.200 \text{ W/(kNK)}$$

Comfort Criterion

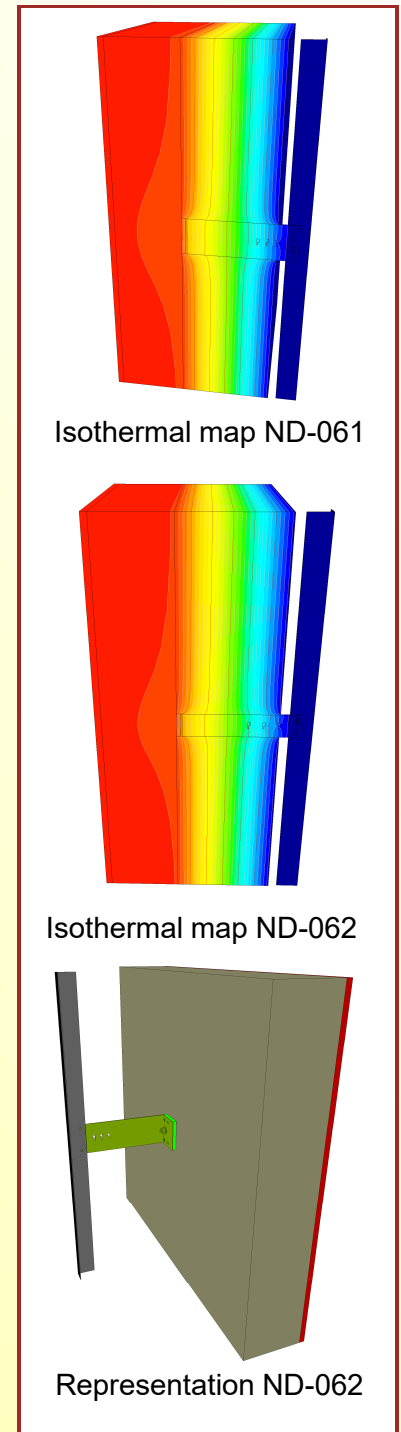
The inner surface must be warm enough to prevent mold as well as uncomfortable down-drafts and radiation losses.

$$\theta_{i,min} \geq 17^{\circ}\text{C}$$

Thermal data of the certified component

U-kon System Wall bracket ND-06X - 280	Thermal bridge coefficient χ [W/K]	Minimum interior surface temperature $\theta_{i,min}$ [°C]
ND-062 (sliding point)	0.0080	19.22
ND-061 (fixed point)	0.0132	19.16
ND-063 (combination)	0.0241	19.16

* The criterion has been validated with a representative facade of a school building



cool, temperate climate



CERTIFIED COMPONENT

Passive House Institute

Data sheet U-kon Façade Systems LTD., Wall bracket ND-06X

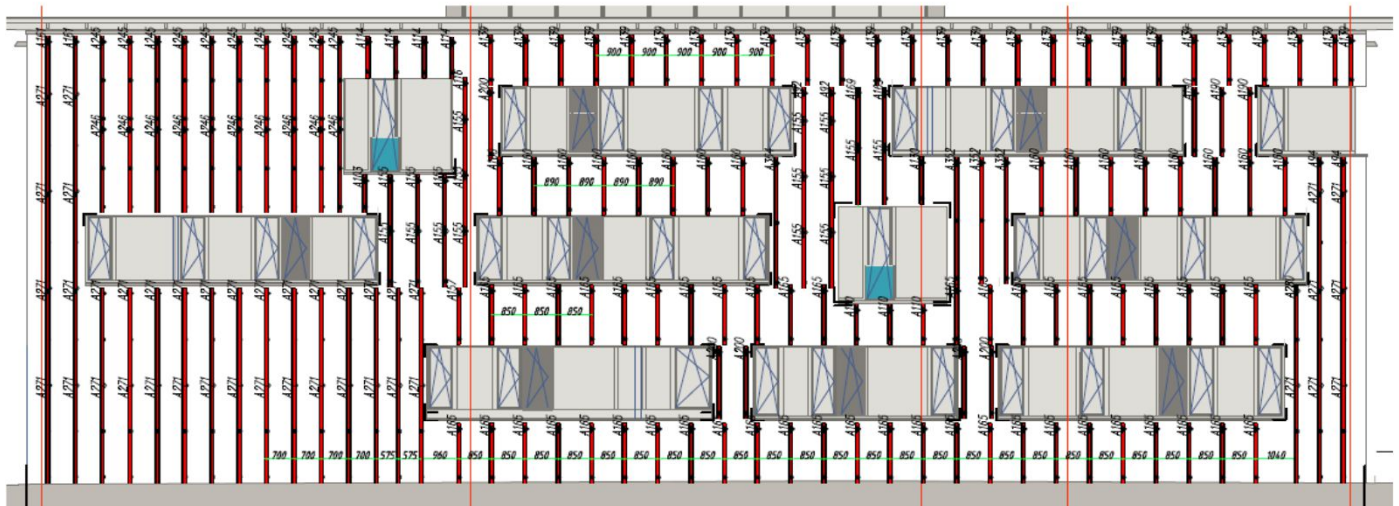
Manufacturer U-kon Façade Systems LTD.
www.u-kon.com

Criteria validated based on reference facade	ΔU [W/m²K]
LC VI	0.0164

In order to validate the suitability, the manufacturer provides a statical calculation and an associated installation plan for the reference facade.

Load class / Facade weight		Thermal bridge coefficients [W/K]		
LC / Material	[kN/m ²]	X _{ND-062}	X _{ND-061}	X _{ND-063}
VI / Stone	0.55	0.0080	0.0132	0.0241

Efficiency	ΔU	Quantity / m ²		
[W/(kNk)]	[W/m ² K]	ND062	ND061	ND063
0.0299	0.0164	0.52	0.74	0.15



Installation-plan reference facade of the certified component (LC VI)

Load-class (LC)	Facade cladding	Facade weight [kN/m ²]	Efficiency criterion fulfilled?
I	Aluminium laminated	0.10	yes
II	Plastic	0.15	yes
III	Fiber-cement plates	0.20	yes
IV	Acrylic glass	0.25	yes
V	Ceramics	0.30	yes
VI	Stone	0.55	yes

The classification criteria and the load class allocation can be found in the current criteria "Zertifizierte Passivhaus Komponente – Fassadenanker, Version 2.0, 08.05.2017".