



Fire protection

Our façade is classified according to ÖNORM EN 13501-1 with B – s1, do, and rated as poorly non-flammable/flame-retardant. The existence of verification in accordance with ÖN B 3800-5 allows for applications in buildings up to class 5.

Dimensions

We construct our façade modules standard at a size of up to 3 m in height and up to 4 m in width. You may choose the module thickness between 10 cm and 30 cm, depending on the insulation material used.

Heat insulation U-value [W/m²K] *

Element thickness**	EPS-F plus	Mineral wool	Wood fibre	Hemp***
12cm	0,25	0,28	0,31	0,31
16cm	0,193	0,210	0,233	0,239
22cm	0,142	0,155	0,172	0,176
28cm	0,112	-	-	-
Weight [kg/m³]	~18	~115	~160	~100

* Calculated in accordance with EN 14509 without taking into account thermal losses along the longitudinal joints. The façade solution's U-values depend on the respective façade shape and may differ from table values. They must be specifically determined for each project

** Other thicknesses are available. Maximum insulation thicknesses depend on the selected insulation material.

*** Around 10% of the hemp's weight is composed of bicomponent polyester fibre.

Verifications

We will produce your static and building construction verifications of usability and heat insulation specifically for each project.

IPR

Our façade solution is patented in Austria, Europe, Eurasia and China.