

Declaration of Performance No. E1/2022

Product type identification code: **CETRIS®** cement-bonded particleboard façade cladding system

Type: **CETRIS®** VARIO – riveted system (Family A)

Intended use: The **CETRIS®** cement-bonded particleboard in all variants as a cladding element for façades, in vertical position, with or without cavity, with mineral insulation of minimum bulk density 60 kg/m³ and reaction to fire class A2-s1, d0, with support aluminium or galvanised grid.

Manufacturer: **CIDEM Hranice, a.s., Skalní 1088, Hranice I - Město, 753 01 Hranice Business outlet - CETRIS Division, Nová 223, 753 01 Hranice, Czech Republic**

AVCP system: 2+

European Assessment Document: **EAD 090062-00-0404**

European technical approval: **ETA 14/0196**

Technical Assessment Body: **Technický a zkušební ústav stavební Praha, s.p., Česká republika (Technical and Test Institute for Construction Prague, state enterprise, Czech Republic)**

Notified body: **Technický a zkušební ústav stavební Praha, s.p., Česká republika (Technical and Test Institute for Construction Prague, state enterprise, Czech Republic)**

Declared characteristics:

Basic characteristics	Characteristic			Harmonised technical specification
Reaction to fire	A2-s1, d0			EN 13501
Wind uplift resistance	Maximum load Q - 3500 Pa.			EAD 090062-00-0404
Wind load resistance	Equal to wind uplift resistance.			EAD 090062-00-0404
Cladding element stretch resistance	Retaining rings - diameter (mm)	Fixing position	Average failure load F _m (N)	EAD 090062-00-0404
	180	Corner	237	
		Middle	1203	
		Edge	648	
	270	Corner	557	
		Middle	1098	
		Edge	637	
	350	Corner	486	
		Middle	1053	
Edge		706		

Slip resistance between cladding element and fixing	Fixing position		Average failure load F_{Sm} (N)	EAD 090062-00-0404
	Corner		1906	
	Edge		1750	
Horizontal point load resistance	Without visible permanent deformation.			EAD 090062-00-0404
Impact resistance	NPD			EAD 090062-00-0404
Resistance to seismic actions	NPD			EAD 090062-00-0404
Hygrothermal behaviour	NPD			EAD 090062-00-0404
Protection against noise	NPD			EAD 090062-00-0404
Energy economy and heat retention	Irrelevant.			EAD 090062-00-0404
Sustainable use of natural resources	Irrelevant.			EAD 090062-00-0404
Pulsating load	NPD			EAD 090062-00-0404
Dimensional stability of external cladding element	NPD			EAD 090062-00-0404
Immersion in water	NPD			EAD 090062-00-0404
Freeze-thaw resistance	Number of cycles	50	100	EAD 090062-00-0404 EN 1328
	Frost resistance - R_t	0.99	0.97	
Chemical and biological resistance	NPD			EAD 090062-00-0404
Corrosion	NPD			EAD 090062-00-0404
UV radiation	Irrelevant.			EAD 090062-00-0404

The characteristics of the above-stated product comply with the set of declared characteristics.

This declaration of performance complies with Regulation (EU) No. 305/2011 issued on the exclusive liability of the above-stated manufacturer.

Hranice 2022-09-09



Martin Klvač
Director of CETRIS Division