

Declaration of Performance

No. DOP-CET

Unique product type identification code: **CETRIS® cement-bonded particleboard**

Intended applications:	CETRIS® cement-bonded particleboard for non-bearing elements for indoor or outdoor use in dry or humid environment (board thickness of < 16.0 mm) and load-bearing structural elements for indoor or outdoor use in dry or humid environment (board thickness of ≥ 16.0 mm).
Manufacturer	CIDEM Hranice, a.s., Skalní 1088, Hranice I - Město, 753 01 Hranice, Facility - Divize CETRIS, Nová 223, 753 01 Hranice, Czech Republic.
POSV system:	1
Harmonised standard:	EN 13986:2004+A1:2015.
Notified body:	1020 - Technický a zkušební ústav stavební Praha, s.p. (Technical and Test Institute for Construction Prague, state enterprise), Czech Republic.

Declared properties:

Basic characteristics	Property		Harmonised technical specification
Reaction to fire	A2-s1, d0 - boards without surface finish with thickness of 8-28 mm		EN 13986:2004+A1:2015
	B-s1, d0 - boards with PLUS, FINISH, LASUR and DEKOR surface finish with thickness of 8-32 mm		
Bending strength	≥ 9.0 N/mm ²		EN 13986:2004+A1:2015
Modulus of elasticity	load-bearing ≥ 4,500 N/mm ²	non-bearing ≥ 4,000 N/mm ²	EN 13986:2004+A1:2015
Technical class	1	2	EN 13986:2004+A1:2015
Formaldehyde emissions	class E1		EN 13986:2004+A1:2015
Breakthrough (for ceilings and roofs)	NPD		EN 13986:2004+A1:2015
Mechanical/bearing resistance	NPD		EN 13986:2004+A1:2015

Impact resistance		NPD	EN 13986:2004+A1:2015	
Water vapour permeability		NPD	EN 13986:2004+A1:2015	
Pentachlorophenol emissions		N/A	EN 13986:2004+A1:2015	
Soundproofing		NPD	EN 13986:2004+A1:2015	
Sound absorption		NPD	EN 13986:2004+A1:2015	
Thermal conductivity		NPD	EN 13986:2004+A1:2015	
Strength of wall opening		NPD	EN 13986:2004+A1:2015	
Sound transmission		NPD	EN 13986:2004+A1:2015	
Sound absorption		NPD	EN 13986:2004+A1:2015	
Thermal conductivity		NPD	EN 13986:2004+A1:2015	
Strength of wall opening		NPD	EN 13986:2004+A1:2015	
Sound transmission		NPD	EN 13986:2004+A1:2015	
Durability	Gluing quality	n/a		EN 13986:2004+A1:2015
	Internal bond after cycling	$\geq 0.3 \text{ N/mm}^2$		EN 13986:2004+A1:2015
	Thickness swelling after cycling	max. 1.5%		EN 13986:2004+A1:2015
	Resistance to humidity	NPD		EN 13986:2004+A1:2015
	Mechanical	Modification factor k_{mod} of service class 3		EN 13986:2004+A1:2015
		Permanent load	0,5	
		Long-term load	0,55	
		Medium-term load	0,60	
		Short-term load	0,70	
		Instantaneous load	0,85	
		Deformation factor k_{def} of service class 3	8	
	Biological	NPD		EN 13986:2004+A1:2015

Reinforcing capacity according to ČSN EN 1995-1-1	board thickness (mm)	10	12	14	16
	characteristic value F_{Rk} (kN)	5.10	7.98	7.98	7.98

Applies to a wall panel with max. height of 3 m, one-sided jacketing, max. pillar spacing of 625 mm (thickness of 10 mm max. 500 mm), panel width of 1,250 mm (thickness of 10 mm - 1,000 mm), CETRIS board anchoring with clamps with min. length of 60 mm, min. clamp cross-section of 1.53 mm, max. clamp spacing of 75 mm.

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

This declaration of properties is in compliance with Regulation (EU) No. 305/2011 issued on the exclusive liability of the above-stated manufacturer. This Declaration of Performance replaces the Declaration of 10 March 2025.

Hranice, 21 July 2025

Ing. Martin Klvač
CETRIS Division Director