

# Declaration of performance

## No. DOP-CET

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

Intended use: CETRIS® cement bonded particleboard for non-load-bearing elements for internal or external use in dry or humid conditions (boards of thickness < 16.0 mm) and load-bearing structural elements for internal or external use in dry or humid conditions (boards of thickness ≥ 16.0 mm).

Manufacturer: CIDEM Hranice, a.s., Skalní 1088, Hranice I - Město, 753 01 Hranice, production site – Divize CETRIS, Nová 223, 753 01 Hranice, Czech Republic.

System of assessment and verification of constancy of performance (AVCP): 1

Harmonised standard: EN 13986:2004+A1:2015.

Notified body: 1020 – Technický a zkušební ústav stavební Praha, s.p., Czech Republic.

### Declared performance:

| Essential characteristics                                     | Performance                                                                            |                                            | Harmonised technical specification |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------|
| Reaction to fire                                              | A2-s1, d0 – boards without surface finish, thickness 8–28 mm                           |                                            | EN 13986:2004+A1:2015              |
|                                                               | B-s1, d0 – boards with surface finish PLUS, FINISH, LASUR and DEKOR, thickness 8–32 mm |                                            |                                    |
| Bending strength                                              | ≥ 9,0 N/mm <sup>2</sup>                                                                |                                            | EN 13986:2004+A1:2015              |
| Modulus of elasticity                                         | load-bearing ≥ 4 500 N/mm <sup>2</sup>                                                 | non-load-bearing ≥ 4 000 N/mm <sup>2</sup> | EN 13986:2004+A1:2015              |
| Technical class                                               | 1                                                                                      | 2                                          | EN 13986:2004+A1:2015              |
| Formaldehyde release                                          | class E1                                                                               |                                            | EN 13986:2004+A1:2015              |
| Punching shear (for floors and roofs)                         | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Impact resistance                                             | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Water vapour permeability                                     | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Release of pentachlorophenol                                  | not relevant                                                                           |                                            | EN 13986:2004+A1:2015              |
| Airborne sound insulation                                     | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Sound absorption                                              | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Thermal conductivity                                          | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Embedment strength ("Pevnost stěny otvoru")                   | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Air permeability (in the original "Průzvučnost") <sup>1</sup> | NPD                                                                                    |                                            | EN 13986:2004+A1:2015              |
| Durability: bond quality                                      | not relevant                                                                           |                                            | EN 13986:2004+A1:2015              |
| Durability: internal bond after cyclic test                   | ≥ 0,3 N/mm <sup>2</sup>                                                                |                                            | EN 13986:2004+A1:2015              |

| Essential characteristics                        | Performance | Harmonised technical specification |
|--------------------------------------------------|-------------|------------------------------------|
| Durability: thickness swelling after cyclic test | max. 1,5 %  | EN 13986:2004+A1:2015              |
| Durability: moisture resistance                  | NPD         | EN 13986:2004+A1:2015              |
| Durability: biological                           | NPD         | EN 13986:2004+A1:2015              |

## Durability – mechanical

| Modification factor $k_{mod}$ for service class 3 |      |
|---------------------------------------------------|------|
| 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 $k_{def}$ for service class 3  | 8    |

| Racking strength 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 |

Valid for a wall panel of height max. 3 m, single-sided cladding, stud spacing max. 625 mm (th. 10 mm max. 500 mm), panel width 1250 mm (th. 10 mm – 1000 mm), CETRIS board fixed with staples of length min. 60 mm, staple wire min. 1.53 mm, staple spacing max. 75 mm.

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

This declaration of performance replaces the edition of 10.3.2025.

Hranice 21.7.2025

Ing. Martin Klvač, director of the CETRIS division (signed in the original)

<sup>1</sup> Translator's note: the original states "Průzvučnost" (sound transmission), which is not a characteristic of EN 13986. Table ZA.1 of the standard has air permeability in this position. The term should be confirmed by the manufacturer.