

REACTION TO FIRE & MATERIAL PERFORMANCE

Compliance Summary

Summarises the declared values and the test results behind the A1 reaction-to-fire classification and the material performance of Kandes 3D wall panels in natural gypsum.

Reaction to fire A1 · EN 13501-1

EN 15283-2

AVCP System 3

1 PRODUCT AND COMPOSITION

Product	Kandes 3D wall panels, product reference KANDES-3DGP: a decorative relief panel; gypsum fibre board within the scope of EN 15283-2.
Composition	Reinforced natural gypsum (beta as standard; alpha on request where project requirements call for it), water, glass fibre and an admixture. Glass-fibre content 1 % as standard; 5 % on request where project requirements call for it.
Panel thickness	8-32 mm · customs tariff HS 6809 19 00

2 CONFORMITY FRAMEWORK

Harmonised standard	EN 15283-2:2008+A1:2009 (gypsum fibre boards)
Regulation	Construction Products Regulation (EU) No 305/2011
AVCP system	System 3
Notified laboratory	CTEC Ltd (Center for Testing and European Certification), Notified Body 1871, Stara Zagora, Bulgaria

3 REACTION-TO-FIRE CLASSIFICATION

Classification	A1 · non-combustible · EN 13501-1:2018
Classification report	No. 1871-CPR-RtF-921 (Issue 01, 17 March 2026), CTEC Ltd (Notified Body 1871)
Declared in	CE Declaration of Performance No. KANDES-3DGP-DoP-001 Rev. 1

4 REACTION-TO-FIRE CRITERIA (TESTED AGAINST THE A1 LIMITS)

Criterion	Result	A1 limit · method
Temperature rise, ΔT	0.1 °C	≤ 30 °C · EN ISO 1182
Mass loss, Δm	21.2 %	≤ 50 % · EN ISO 1182
Duration of flaming, t _f	0 s	= 0 s · EN ISO 1182
Gross calorific potential, PCS	0.13 MJ/kg	≤ 2.0 MJ/kg · EN ISO 1716

Non-combustibility to EN ISO 1182:2020 (report No. 1420142, 11 March 2026, 5 tests);
gross calorific potential to EN ISO 1716:2018 (report No. 1420143, 16 March 2026, 3 tests).

5 MATERIAL PERFORMANCE (TESTED)

Property	Value	Standard
Bulk density (mean)	1130 ± 56 kg/m³ Specimens 1189 / 1116 / 1097 kg/m³	EN 15283-2
Surface hardness (mean)	15 mm	EN 15283-2

Material performance report No. 1100144, 25 February 2026. Specimens conditioned at 21 ± 0.2 °C and 51 ± 1.3 % RH; sampling 3 February 2026, testing 24 February 2026; 12 sample units. ± 56 kg/m³ is the expanded uncertainty (k = 2, approx. 95 %).

STATEMENT

The values summarised above are transcribed from the test and classification reports held by the manufacturer. This summary is issued under the responsibility of the manufacturer; the reports themselves are available on request.

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