

No.: H2501

In accordance with Regulation (EU) No. 305/2011 for construction products

PRODUCT**NOTIFIED BODY**

HONEXT® STD

Institut de Tecnologia de la
Construcció de Catalunya - ITeC**Intended use:**

The HONEXT® board is intended for use as a construction product in non-structural interior applications under dry conditions. Typical uses include wall panelling, decorative cladding, and suspended ceiling systems, where no direct contact with water or wetting is expected.

Manufacturing site:

HONEXT MATERIAL, S.L.
Ctra. de Terrassa a Manresa Km 28
08233 Vacarisses, Barcelona (Spain)

System of Assessment and Verification of Constancy of Performance (AVCP) :

System (reaction to fire): 3
System (general): 4

European Assessment Document: EAD 210132-00-0504

European Technical Assessment: ETA 22/0227 issued by ITeC on 30.05.2022

**HONEXT® STD PROPERTIES (12mm)**

Reaction to fire ⁽¹⁾	C-s1,d0
Content, emission and/or release of dangerous substances (indoor air): Emission of VOC and SVOC ⁽²⁾	at 3 days = 0.195 mg/m ³ at 28 days = 0.085 mg/m ³
Water vapour permeability	μ 2,7
Dimensional stability (length)	2,2 mm/m
Dimensional stability (thickness)	1,9 %
Impact resistance ⁽³⁾ (soft impact body energy)	1.200 N·m
Impact resistance ⁽³⁾ (hard impact body energy)	10 N·m
Airborne sound insulation (surface mass)	24 dB
Acoustic absorption	α _w 0,15
Thermal conductivity	0,096 W/m·K

⁽¹⁾ HONEXT® STD has been tested according to EN 13501-1:2018, based on EN 13823 and EN ISO 11925-2 with mounting conditions:

- Mechanically fixed (screwed) to an inert substrate with a minimum density of ≥ 652.5 kg/m³, classified as A2-s1,d0 or higher.
- Alternatively, fixed to a metal frame, with the back side of the frame attached to a substrate of reaction to fire class A2-s1,d0 or higher.
- No vertical or horizontal joints were present in the tested configuration.
- The product was tested in its raw form, without any covering, coating, post-processing or surface treatment.

⁽²⁾ Content, Emissions and/or Release of Dangerous Substances VOCs and formaldehyde emissions have been tested in accordance with EN 16516, ISO 16000 and EN 717-1:

- The Honext board emission results according to basic level emission criteria of BREEAM Int.: Hea 02 Indoor air quality.
- Carcinogenic substances were not detectable after 28 days (< 0.001 mg/m³).
- The sum of VOC (TVOC) after 28 days was below the limit of 1,0 mg/m³.

⁽³⁾ HONEXT® STD board has been tested according to EN 12664 (panel mechanically fixed with screws to a rigid substrate) Annex C & D of EAD 210132-00-0504:

- Safety in Use: favourable results as the panel showed no collapse, no penetration and no projection of fragments during testing.
- Serviceability: The panel demonstrated no visible damage (cracks or damage) affecting its performance after impact. Only minor aesthetic surface marks

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Availability of Documentation

Full technical test reports and certificates related to this product (e.g., reaction to fire) are available upon request from Honext Material S.L.

Storage & Handling Recommendations

HONEXT® boards must be stored indoors, on a flat and stable surface, protected from direct water exposure.

Optimal storage conditions: Relative humidity 65%.

Avoid exposure to environments with excessive dryness or humidity, which may cause deformation or warping.

Stack with supports aligned vertically; do not stack more than 4 pallets high.

If packaging is damaged during handling, it must be repacked immediately to preserve board condition.

Material Origin & Composition

HONEXT® boards are manufactured from post-consumer paper sludge and cardboard fibres, without added formaldehyde or synthetic binders. Raw materials come from controlled and legal sources, in compliance with EUTR/EUDR and certified under Cradle to Cradle™ and related environmental standards.

Workplace Health & Safety Responsibility

The user/manufacturer is responsible for conducting appropriate risk assessments for workers, in line with local health and safety legislation.

Recommended control measures may include:

Use of personal protective equipment (PPE) when processing the material

Dust extraction during cutting, sanding, or milling & Manual load-handling precautions

VOC & Formaldehyde Emissions

The product is considered low-emitting and suitable for use in interior spaces requiring healthy air quality

VOC (TVOC after 28 days): 0.085 mg/m³ of total volatile organic compounds tested according to EN 16516 / ISO 16000.

Complies with Indoor Air Comfort (eurofins), French A+, AgBB (Germany), EU LCI guidance: R-value (0.46) and other low-emission standards

Additional information (not covered by ETA 23/0631 / not part of declared performance under Regulation (EU) No 305/2011)

Formaldehyde concentration in air: < 0.008 ppm, Tested according to EN 717-1:2004 in a chamber method. The results outperforms the reference limits of Class E0 under UNE-EN 622-1:2004.

Disclaimer

While every effort has been made to ensure the accuracy of the information provided in this document, Honext Material S.L. shall not be held liable for any typographical errors or omissions. The recipient of this document is responsible for verifying that the data is suitable for their intended use or application.

Signed for and on behalf of the manufacturer by:

Pol Merino

Chief Executive Officer of Honext Material S.L.



Barcelona, 22th of December 2025