
ISINAC's contribution to BREEAM certification

Sound absorption for buildings that **score**



ACOUSTIC WORLD



The building is certified. The product makes it possible.

BREEAM is the world's oldest building environmental assessment method —**BRE**, United Kingdom, 1990— and the most widespread in Europe. It assesses the whole project by category and awards a weighted final score.

Unlike other schemes, BREEAM does not award “points” but **credits by category**, and each category carries a different weight in the final score. The **materials** and **health and wellbeing** credits are earned with verified documentary evidence, product by product.

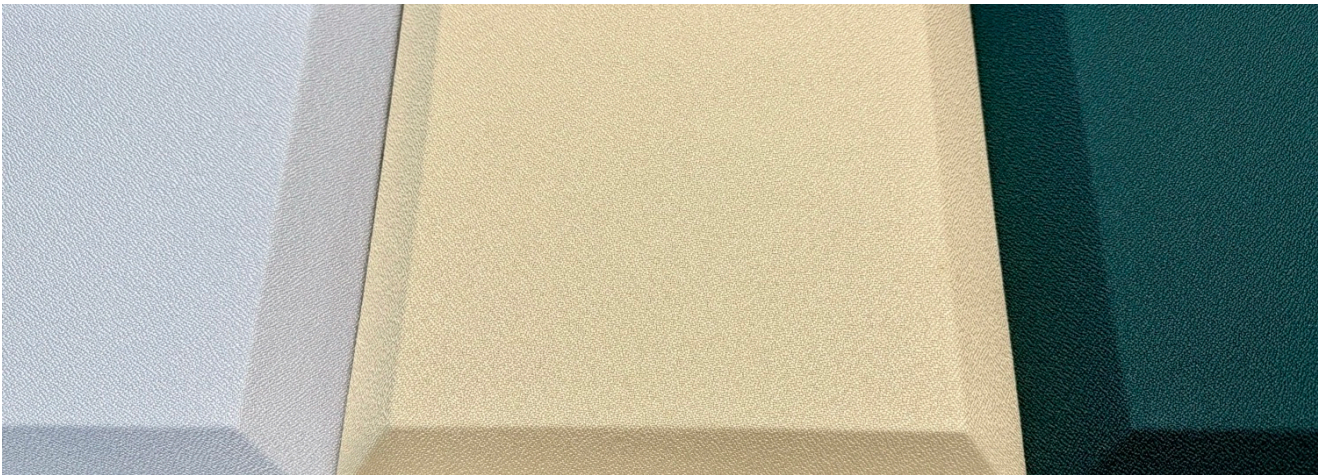
That is where ISINAC comes in. An absorbing panel is named **expressly** in the scheme text: table 17 of the manual lists “*ceiling materials, wall materials, acoustic insulation... acoustic boards*” among the product categories with emissions requirements.

This document sets out, credit by credit, **what ISINAC contributes and with which document it proves it**, with the manual page reference in each case.

BREEAM rating	Score
Pass	≥ 30
Good	≥ 45
Very Good	≥ 55
Excellent	≥ 70
Outstanding	≥ 85

Which version applies

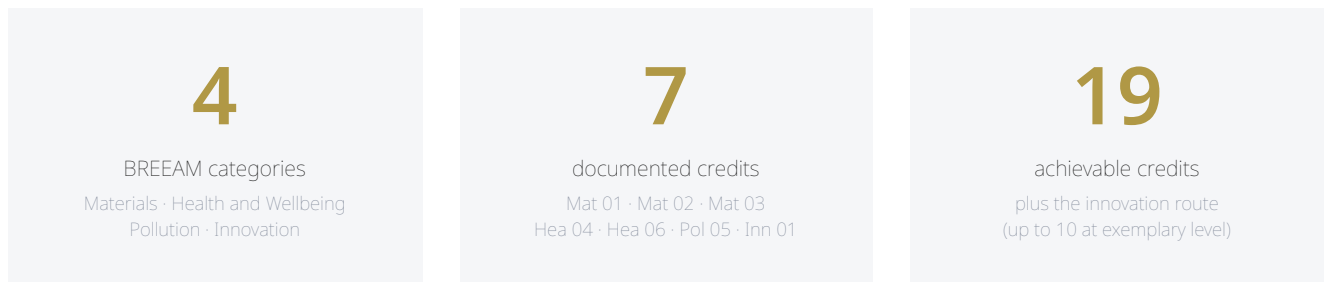
This document refers to **New Construction Version 7** (International SD6073 and UK SD6074, both dated 16/07/2025). **International v6** and **BREEAM ES 2015** are also indicated where the mechanism differs — registration of new projects under those versions closed on **27/01/2026**.



Bevelled edge. Mineral foam with ILUCS.

What does ISINAC contribute to BREEAM certification?

With ISINAC acoustic solutions, the project team can document **seven credits** across **four BREEAM categories**.



BREEAM does not award loose points: it awards **credits by category**, and each category carries a different weight in the final score. The figure above is the sum of the credits **for which ISINAC supplies documentation**, not guaranteed credits: the Assessor awards them on the basis of the complete building.

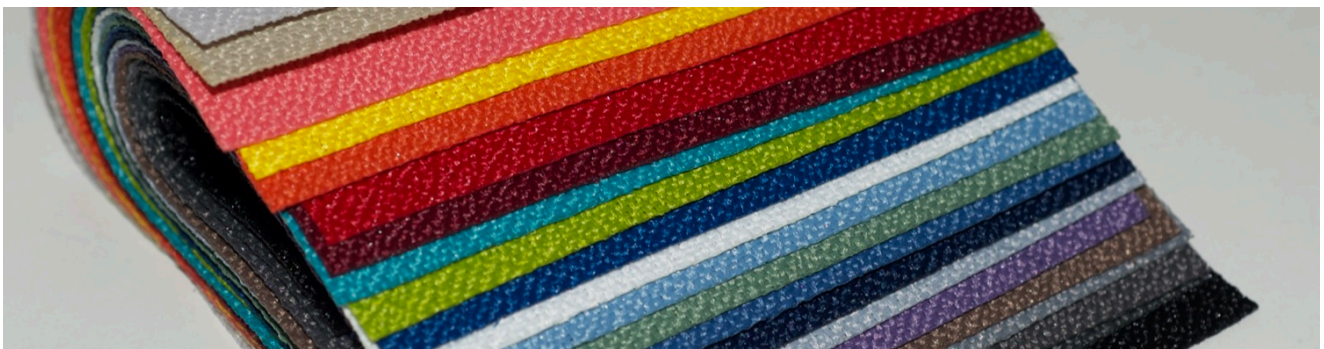
What ISINAC brings to the table

- **Environmental Product Declaration**, Type III, verified and published — **EPD-IES-0033394:001**, worth **1.5 EPD points**, the maximum in table 70
- **33 sound absorption tests** and **4 insulation tests** at **Tecnalia**, ENAC-accredited and ILAC MRA signatory — exactly what note CN1.1 of Hea 06 requires
- **Indoor Advantage™ Gold** SCS-IAQ-11186 for the Hea 04 emissions
- **ISO 14001 and ISO 14006**, which feed the Mat 03 calculator
- **Tested outdoor acoustic product** — ABSORBRELLA, with a European patent pending

And what the project brings

No credit is earned by buying the panel. Mat 02 requires **20 EPD points** adding up every declaration in the building: this panel contributes 1.5 and 18.5 are missing, which can only come from other products.

ISINAC supplies free of charge the octave band coefficients for the project acoustician, the reverberation calculation room by room, the machine-readable indicator spreadsheet and the contribution letter with the project number.



43 colours made exclusively for ISINAC.

Materials

What the product declares, and who has verified it

Our contribution	Credits	ISINAC documentation	Credit and rule
The ISINAC EPD scores 1.5 EPD points , the highest value in table 70: " <i>EPD applicable to a single product and a single manufacturer</i> ". There is no higher category. Material classification: category 8 , <i>plastics, polymers, resins and bituminous materials</i> (table 71), because mineral foam accounts for most of the volume.	1	EPD EPD-IES-0033394:001 Public record at environdec.com PDF in Spanish and English	Mat 02 Environmental Product Declarations V7 · SD6073 p. 286-287
For the building LCA, the manual sets the data preference order: " <i>1. Product EPD from the manufacturer of the specific product you are planning to use. 2. Generic data</i> ". The ISINAC EPD is first-tier primary data , and replacing a conservative generic dataset improves the result of the calculation. Modules already broken down: A1-A3 = 9.64 · A4 = 0.171 · A5 = 0.020 · B2 = 0.188 · C2 = 0.00861 · C4 = 0.214 kg CO ₂ eq/m ² .	7+3	EPD p. 17 Machine-readable indicator spreadsheet	Mat 01 Building life cycle assessment V7 · SD6073 p. 277-278, table 69 Required for Excellent and Outstanding
ISINAC manufactures under ISO 14001:2015 no. ES163483 and ISO 14006:2020 no. ES163477 , valid until 2029, which feed the responsible sourcing calculator. The panel is classified under <i>Internal finishes</i> : wall finishes and suspended ceilings (table 74). Manufactured in the EU with ISO 14001 in force: it meets the <i>broken chain</i> conditions of the manual.	4+1	ISO 14001 no. ES163483 ISO 14006 no. ES163477 English version available	Mat 03 Responsible sourcing V7 · SD6073 p. 289-297, tables 72, 74 and 79
In International v6 the mechanism is different, and it is worth knowing: the credit requires at least 5 products with a verified EPD, and the exemplary level 10 with a manufacturer-specific EPD —exactly the type of this declaration, the one that counts most—. This panel is one of those five .	✓	Same EPD and same URL	Mat 01 Life cycle impacts International v6 and v6.1

The Mat 02 arithmetic, spelled out

The credit is earned with **20 EPD points adding up every declaration in the building**: this panel contributes 1.5 and 18.5 are missing. Also, the **cap of 4 points per material classification is shared** among all the plastic, resin and paint products on the job. This panel is worth a lot in projects where that category is short of declarations, and little in those that already have it full. **We would rather say so now than later.**

The credits shown are the maximum of the credit to which ISINAC supplies documentation. BREEAM certifies the building, not the product: credits are awarded by the Assessor on the basis of the complete project, its quantities and the rest of the materials installed. The scope of EPD EPD-IES-0033394:001 is the 40 mm adhesive panel with ILUCS; for the other catalogue references, ask us for the applicable documentation.

Health and Wellbeing

What is heard and what is breathed inside the building

Our contribution	Credits	ISINAC documentation	Credit and rule
ISINAC panels are the physical means of meeting the acoustic target, and the input data for the project acoustician : α_p coefficients per octave band from 125 to 4,000 Hz, α_w and class, to calculate reverberation against tables 21 and 22 of the manual. The range reaches $\alpha_w = 1.00$ — class A . Tests by Tecnalia , ENAC -accredited and ILAC MRA signatory: literally what note CN1.1 asks for.	4	33 EN ISO 354 reports Master table of 33 products with α_p , α_w and class Reverberation calculation room by room	Hea 06 Acoustic performance V7 · SD6073 p. 129
The panel falls unambiguously within the product category of the manual, which names expressly " <i>ceiling materials, wall materials, acoustic insulation... acoustic boards</i> " (table 17). ISINAC supplies the emissions evidence: indoor air quality certificate, EN 16516 tests via AITEX (ENAC no. 5/LE079) and signed manufacturer declaration — the manual accepts self-declaration where the test was run by an accredited laboratory.	2	Certificate SCS-IAQ-11186 EN 16516 tests (AITEX) Manufacturer declaration	Hea 04 Indoor air quality V7 · SD6073 p. 108 ff., tables 17 and 18 2 of the 5 credits come from product emissions

The manufacturer's backing

Not a BREEAM credit, and the project asks for it anyway

CE marking 6 signed Declarations of Performance, with reaction to fire to EN 13501-1. A regulatory requirement , not a BREEAM tick box.	Trevira CS® Certified branded flame-retardant fabric, with trademark contract in force.	OEKO-TEX® Standard 100 On the fabric (11-43686) and on the mineral foam.
REACH · PFAS Supplier declarations. The EPD confirms that no substances from the SVHC list are used.	Airborne sound insulation 4 EN ISO 10140-2 tests at Tecnalia, with $R_w + C + C_{tr}$.	Per-object testing ISO 20189 annex E for products that are not a flat surface: bass traps and acoustic parasols.

The credits shown are the maximum of the credit to which ISINAC supplies documentation. In Hea 06 the credit depends on the acoustic design of the project: ISINAC supplies the physical means and the calculation, and the target is set by the *Suitably Qualified Acoustician*. Certificate SCS-IAQ-11186 covers the textile layer (ILUCS and IZZER); whether the installed assembly meets the threshold is verified by the project team.

Noise pollution

The noise that leaves the building, not the noise that stays inside

Our contribution	Credits	ISINAC documentation	Credit and rule
The credit rewards attenuation measures at source. ISINAC manufactures tested outdoor acoustic product: ABSORBRELLA, an acoustic parasol of 2,500 × 2,500 mm with $A_{obj} = 6.25 \text{ m}^2$ of absorption per object, measured by Tecnalia to annex E of ISO 20189:2018, and with $R_w = 13 \text{ dB}$ insulation. Terraces, hospitality courtyards and outdoor leisure areas are exactly where reverberant noise escapes towards the neighbourhood.	1	Tecnalia 118746-1 (11/09/2025) Tecnalia 118746-3 (22/09/2025) European patent EP25382476.7	Pol 05 Reduction of noise pollution V7 · SD6073 p. 400-403

Innovation

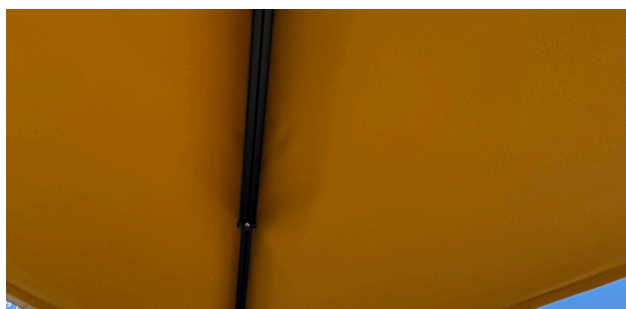
What goes beyond the scheme requirements

Our contribution	Credits	ISINAC documentation	Credit and rule
Inn 01 adds +1 % to the final score for each credit at exemplary level. ISINAC feeds three routes: · Mat 01 with an EPD externally verified and public on Environdec, which is what the exemplary level values; · Mat 03, with the manufacturer's certified systems; · Hea 04, with emissions below the reinforced thresholds. And it develops its own protected product: European patent pending, utility model and industrial design.	10	European patent EP25382476.7 Utility model ES 202431014 Industrial design ES 0534216 Public, verified EPD	Inn 01 Innovation V7 · SD6073 p. 405-406 exemplary level credits

A manufacturer that only distributes does not get here

The two categories on this page are not covered by buying product: they are covered by having **your own test of something almost nobody tests**—the absorption of an object outdoors— and **protected development**.

ISINAC drafts with the team the justification the Assessor requires and provides the report that backs the figure.



ABSORBRELLA, acoustic parasol. A Coruña.

The credits in these two categories **are not documented with product paperwork alone**: they depend on the project and on what the Assessor accepts. In Pol 05 the reference standard is the **ISO 1996** series and the calculation belongs to the project acoustician: ISINAC supplies the tested product, not the impact study. European patent EP25382476.7 is **pending**: it has a European Search Report with no objections and no decision to grant has been issued yet. The exact Mat 03 credits are set by BRE Guidance Note 18, which the Assessor must consult.

Behind every figure there is a test

No figure in this document is an estimate. Every one comes from an accredited laboratory report or from a certificate issued by an independent third party.

Acoustic performance — selection from the range

Product	α_w	EN ISO 11654 class	Test report
ISINAC WB High Performance 140 mm	1.00	A	Tecnalia 110259-7 · 27/05/2024
ISINAC HYBRID trapezoidal	1.00	A	Tecnalia B2019-LACUS-IN-83 I · 26/11/2019
ISINAC CURTAIN ILUCS 4 layers	1.00	A	Tecnalia B2019-LACUS-IN-54 V · 14/05/2019
ISINAC WB ILUCS 33 mm	1.00	—	Tecnalia 110259-5 · 23/02/2024
ISINAC C.610.60 adhesive	1.00	—	Tecnalia 110259-1 · 23/02/2024
IZZER COVER 40 mm (removable fabric)	0.90	—	Tecnalia B2021-LACUS-IN-146-3 · 04/06/2021
ISINAC C.610.40 ILUCS adhesive (the one in the EPD)	0.85	—	Tecnalia B2018-LACUS-IN-27 II · 26/07/2018
ABSORBRELLA ILUCS (per object, outdoor)	6.25 m² A_{obj}	ISO 20189	Tecnalia 118746-1 · 11/09/2025

Reverberation room tests to EN ISO 354. The full report and the α_p coefficients per octave band (125 – 4,000 Hz) are supplied on request. The class is stated only where the test report declares it. Products that are not a flat surface are tested per object (A_{obj} in m²), to annex E of ISO 20189:2018.

Laboratory and accreditation

Tecnalia (Donostia · San Sebastián). Accredited by **ENAC** and signatory to the **ILAC MRA** agreement — exactly the requirement of note CN1.1 of Hea 06 and of CN3 of Hea 04.

33 tests of sound absorption and **4** of airborne sound insulation on ISINAC product, between 2018 and 2025.

Traceability of the declaration

The Life Cycle Assessment was carried out by **Abaleo S.L.** using the **Ecoinvent 3.12** database and SimaPro, reference year 2025. The independent verification was signed by **Elisabet Amat Guasch** (GREENIZE PROJECTS).

Published **06/08/2026**, valid until **05/08/2031**. Declared unit: **1 m² installed** · reference service life **25 years**.

What we deliver to the project team, free of charge

Project-specific contribution letter with the BREEAM project number · EPD in Spanish and English · indoor air quality certificate · machine-readable indicator spreadsheet · master table with 33 products and their α_p per octave band · absorbing area and reverberation time calculation for each room · CE marking Declarations of Performance.



That a building sounds good
can also be proven

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Document for the project team: architect, interior designer, BREEAM Assessor and procurement manager.