

Syst'**HEMP** Reno.

Breathable interior insulation



✓ **Biosourced,
breathable,
insulating &
versatile**

Certified and recognised.



A successful interior renovation must not be taken lightly.

It respects:



The character
of the building



The health and comfort
of its occupants



Nature and the
environment



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Comfort, breathability and performance, hemp blocks adapt to any renovation project. From protected historic buildings to timber-framed houses and stone walls, they ensure optimal interior insulation for generations to come.

With IsoHemp, modernise your space while preserving its character.

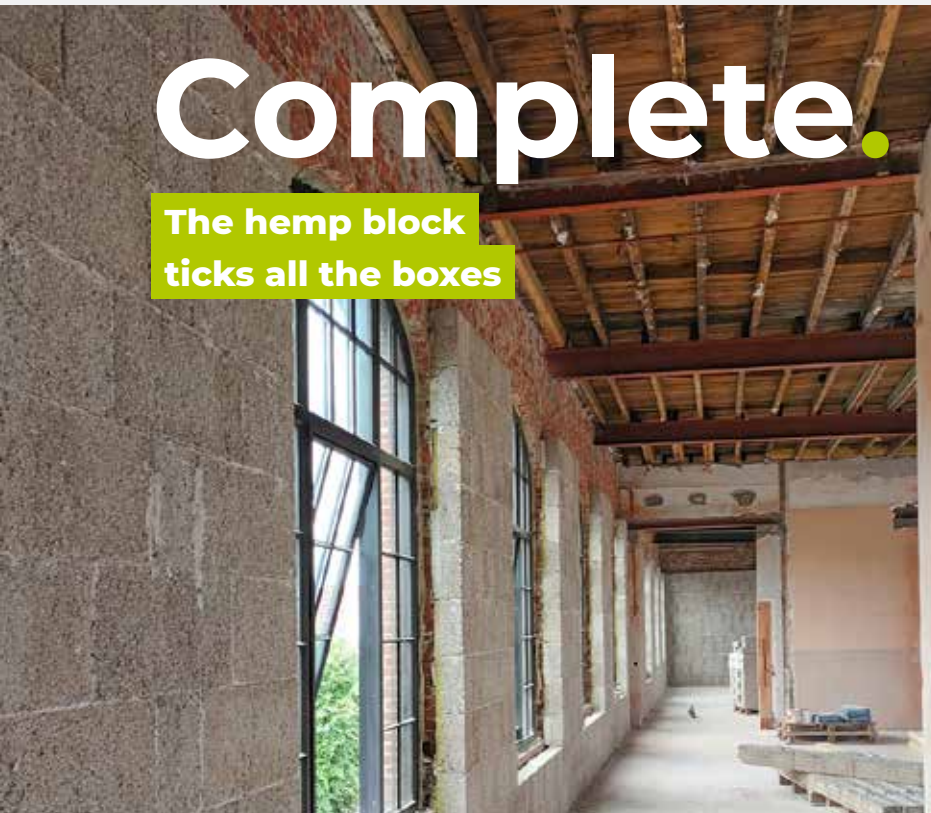


We absolutely didn't want a 'thermos house'! We were instantly charmed by this material. It tells a different story than conventional insulations."

Pascal, architect,
owner of an 18th-century barn

Complete.

**The hemp block
ticks all the boxes**



- ✓ **Winter comfort**
reduce your consumption
- ✓ **Summer comfort**
inertia and phase shift for natural coolness
- ✓ **Self-regulated humidity**
no mould, neither too dry nor too humid air
- ✓ **Healthy interior**
No harmful components (VOC)
- ✓ **Acoustic comfort**
cosy ambiance (reduction of noise pollution)
- ✓ **Absolute safety**
high fire resistance, emits no toxic smoke
- ✓ **100% natural**
biosourced, zero carbon
- ✓ **Exceptional lifespan**
150 years, 6x more than a conventional insulator

Unique.

A unique indoor comfort,
summer and winter



A complete solution easy to implement

1 IsoHemp Origin

Choose from a full
range from 7 to 25 cm
thickness



2 IsoHemp Mix

Our ready-to-use dry
plant-based insulating
granulate



3 IsoHemp Technic Lintels

Facilitate your openings
and window passages









4 IsoHemp Essential

Choose a breathable
solution such as our
PCS Render



Take a leap in comfort

| SYST'HEMP RENO SOLUTION - ISOHEMP BLOCK + HL MIX INFILL | | | | | | |
|---|---------------------|-----------|----------|-----------|-------------|---|
| | ESSENTIAL | | COMFORT | | PERFORMANCE | Unit |
| IsoHemp block thickness | 9 | 12 | 15 | 20 | 25 | cm |
| HL Mix granulate | 3 | | | | | cm |
|  THERMAL COMFORT | ★ | | ★★ | | ★★★ | |
| THERMAL RESISTANCE R' | 2,03 | 2,30 | 2,72 | 3,43 | 4,13 | m²K/W |
| Thermal conductivity λ | 0,071 | | | | | W/mK |
| Thermal phase shift | 8 | 9,8 | 12,8 | 15,8 | 18,8 | h |
| Damping** | 72 | 86 | >100 | >100 | >100 | |
| Specific heat capacity c | 1 600 | | | | | J/KgK |
|  MOISTURE REGULATION | ★★★ | | | | | |
| Permeability μ | 2,8 | | | | | |
| Equivalent diffusion thickness Sd | 0,36 | 0,42 | 0,50 | 0,64 | 0,78 | m |
| Sorption-desorption W23/50 | 0,012 | | | | | m³/m³ |
|  ACOUSTIC COMFORT | ★★★ | | | | | |
| Acoustic insulation index Rw | 37(-1;-3) | 38(-1;-3) | 38(0;-3) | 40(-1;-5) | 41(-1;-5) | dB |
| Acoustic absorption coefficient α | 0,85 | | | | | |
|  FIRE RESISTANCE | ★★ | ★★★ | | | | |
| Fire behaviour | B,s1,d0 | | | | | |
| El fire resistance with 12 mm PCS | 45 | 60 | | 120 | | min |
|  100% DURABLE | ★★★ | | | | | |
| Biosourced material | Hemp – Lime – Water | | | | |  |
| Service life | 150 | | | | | years |

* Includes Re+Ri = 0.17 m²K/W

** Damping describes the extent to which the temperature wave is attenuated through the wall.



Want to move forward with your project?

Let's talk.

IsoHemp by your side

Pre-studies

Analysis of your needs and plans.

Specification support

Assistance with sizing, technical advice.

Training & assistance

Implementation guidance.

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