

Multipurpose.

Hemp blocks can be adapted to suit all your projects



And practically speaking?

To bring your project to life...

Join us at a building site, experience hemp for yourself and get a hands-on feel for the product.

And discover the solutions put in place by people just like you.

Contact us.

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ISOHEMP
NATURAL BUILDING

Breathable interior retrofit

Simplify.

your interior renovation projects

Hemp blocks, much more than just insulation



A successful interior renovation should not be taken lightly.

It respects:



The health of the building



The health and comfort of its inhabitants



Nature and the environment

“The last thing we wanted was a thermos house! We were immediately seduced by this material. It tells a different story than conventional insulation.”

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

Comprehensive.

Hemp block ticks all the boxes

- ✓ **Winter comfort**
minimise your consumption
- ✓ **Summer comfort**
natural freshness
- ✓ **Self-regulating humidity**
no mould, air neither too dry nor too humid
- ✓ **Healthy interior**
no harmful components (VOC)
- ✓ **Acoustic comfort**
muffled atmosphere (reduced noise pollution)
- ✓ **Absolute safety**
highly fire-resistant, no toxic smoke emission
- ✓ **100% natural**
biobased, part of the journey to Net Zero
- ✓ **Durable**
150 years, 6x longer than conventional insulation

Unique.

Unique interior comfort, incomparable durability



A complete solution easy to install

1 Hemp block

Choose from a wide range of thicknesses from 7 to 36 cm



2 HL Mix

Fill in the gaps in your old walls with our plant-based insulating aggregate



3 Lintels

Simplify openings and passageways



4 PCS and Clay

Choose the finish that's right for you



Take an energy leap

THERMAL RESISTANCE R (M ² K/W)*		2,03	2,30	2,72	3,43	4,13
RENOVATION SOLUTION – HEMP BLOCK + HL Mix FILLER						
Block thickness + HL Mix (cm)		9+4	12+3	15+3	20+3	25+3
THERMAL COMFORT	Phase shift (h)	8	9,8	12,8	15,8	18,8
	Damping**	72	86	>100	>100	>100
	Specific heat c (J/KgK)	1 600				
	Heat capacity (J/m ² K)	70 720	81 600	97 920	125 120	152 320
HUMIDITY REGULATION	Permeability μ	2,8				
	Sd (m)	0,36	0,42	0,50	0,64	0,78
	Sorption-desorption W23/50 (m ³ /m ³)	0,012				
	Water capacity (gr/m ²)	1 560	1 800	2 160	2 760	3 360
ACOUSTIC COMFORT	Rw (dB)	37(-1;-3)	38(-1;-3)	38(0;-3)	40(-1;-5)	41(-1;-5)
	Sound absorption coefficient α	0,85				
FIRE RESISTANCE	Fire behaviour	B,s1,d0				
	El resistance (min) with 12 mm PCS	-	60			120
100% NATURAL		HEMP – LIME – WATER				

* Includes Re+Ri = 0.17m²K/W

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

High performance.

Comfort, breathability and performance: hemp blocks adapt to your needs for any renovation project. From historic buildings to houses built in the 60s, from brick houses to stone dwellings,... they guarantee optimum interior insulation for future generations.

Their versatility meets today's challenges: protection against the cold and the heat, reduced energy consumption, exceptional lifespan and zero-carbon emissions.

Choosing hemp blocks means opting for healthy insulation. Unlike synthetic products, which carry health risks, hemp is free from harmful emissions. The use of hemp respects the inhabitants, the habitat and the environment.

With IsoHemp, modernise your space while preserving its character.