

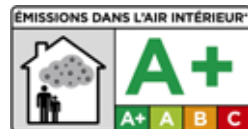
Syst'HEMP Pro.

Build zero carbon with a biosourced monowall solution

1m² of IsoHemp
36 blocks
= 51,87 kg CO₂
STORED.

✓ Biosourced,
breathable,
insulating &
versatile

Certified and recognised .



Why choose
the Syst'**HEMP** Pro ?

Complete.

The hemp block
ticks all the boxes



- ✔ **Monowall building system**
reduce the steps of your construction process
- ✔ **Winter comfort**
minimize your consumption
- ✔ **Summer comfort**
Inertia and phase shift for natural coolness
- ✔ **Healthy interior**
No harmful compounds (VOCs)
- ✔ **Absolute safety**
highly fire-resistant, emits no toxic smoke
- ✔ **Exceptional lifespan**
150 years, 6× longer than conventional insulation
- ✔ **Traditional installation**
thin-joint adhesive application

“ The Syst'**HEMP** Pro allowed us to build a high-performance envelope without adding additional insulation. Quick to install, with remarkable thermal inertia... and a wall ready to last more than a century”.

Marc, real estate developer and contractor

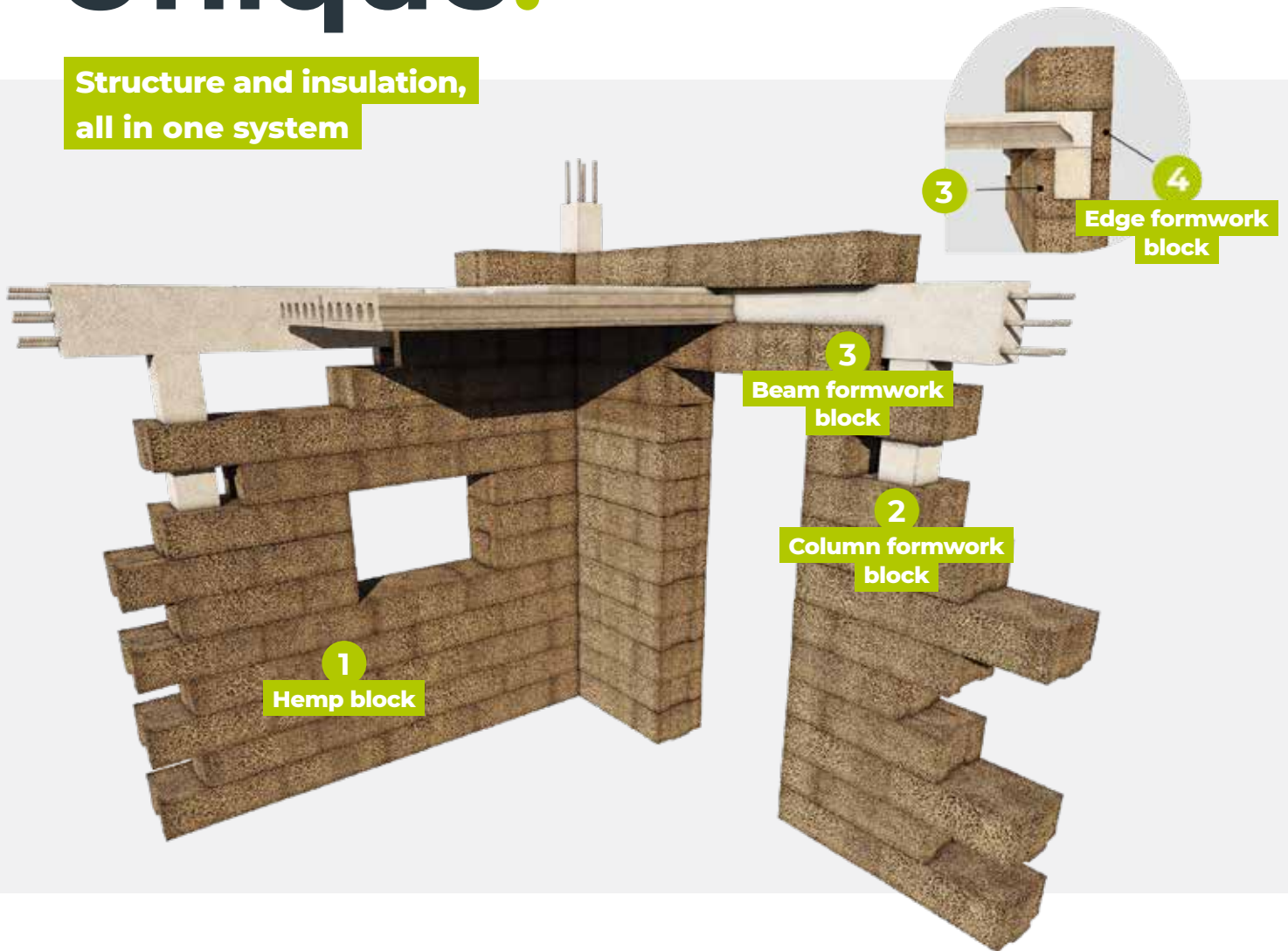
Applications



- Detached houses
- Public buildings
- Terraced houses
- Small apartment blocks
- Industrial buildings

Unique.

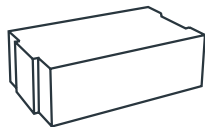
Structure and insulation,
all in one system



A complete solution,
easy to implement

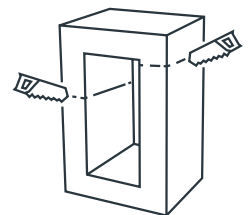
1 IsoHemp Plus

Our hemp blocks from the Plus range come in 30 and 36 cm thickness.



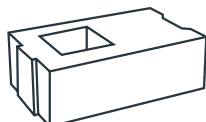
3 IsoHemp Technic U

Your reinforced concrete beams poured directly into our Technic U blocks.



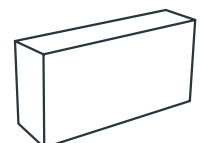
2 IsoHemp Technic P

Your reinforced concrete columns poured directly into our Technic P blocks.








4 IsoHemp Origin

Use of IsoHemp blocks as edge formwork block to treat thermal bridges.



Take an **energy leap**

	LOW ENERGY	VERY LOW ENERGY	PASSIVE	Unit
IsoHemp block thickness	30	36	36 + 12	cm
 THERMAL COMFORT	★★★	★★★★	★★★★★	
THERMAL RESISTANCE R'	4,427	5,272	6,962	m ² K/W
THERMAL TRANSMITTANCE U	0,226	0,19	0,144	W:m ² K
Thermal conductivity λ		0,071		W/mK
Thermal phase shift		Maximal		h
Damping**		> 100		
Specific heat capacity c		1600		J/KgK
 MOISTURE REGULATION		★★★		
Permeability μ		2,8		
Equivalent diffusion thickness Sd	0,84	1	1,344	m
Sorption-desorption W23/50		0,012		m ³ /m ³
 ACOUSTIC COMFORT		★★★		
Acoustic insulation index R _w	42 (-1;-5)	44 (-1;-6)	46 (-1;-4)	dB
Acoustic absorption coefficient α		0,85		
 FIRE RESISTANCE		★★★		
Fire behaviour		B,s1,d0		
EI fire resistance with 12 mm PCS		240		min
 100% DURABLE		★★★		
Biosourced material		Hemp – Lime – Water		
Service life		150		years

* Compris R_e+R_i = 0,17m²K/W

** L'amortissement décrit à quel point l'onde de température est atténuée par la paroi.



Ready 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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