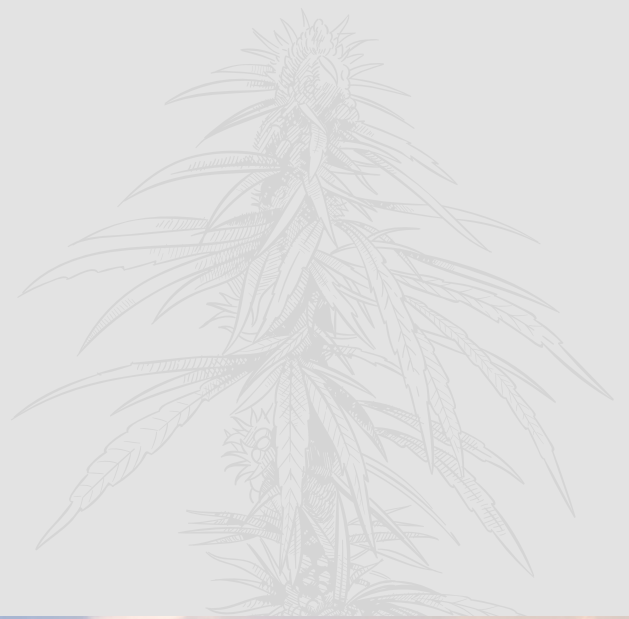


All-in-one
construction system



Carbon-free building with hemp
blocks as the natural choice

pro



use
here



An all-in-one construction system

Why build with IsoHemp hemp blocks?

A sustainable, economical and carbon-free new construction based on natural materials doesn't have to be an elusive dream. Thanks to our Hempro construction system, it's now possible to construct an entire building using **only hemp blocks** from IsoHemp. Other insulation material is no longer necessary. The result is a **homogeneous building** with all the unique advantages

that our hemp blocks have to offer. They provide a sustainable, affordable solution and create a healthy indoor climate with a true cocoon feeling that will surpass your expectations.

You'll also save valuable time on your construction site since the lightweight hemp blocks can be installed quickly and with a dry system.



1. Temperature Control



2. Moisture Control



3. Sound insulation



4. Fire resistance



5. 100% natural



The green advantage

With our U-blocks, creating your reinforced concrete beams is easy.

Customized energy savings

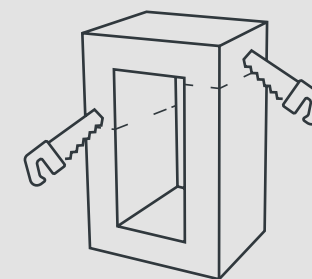
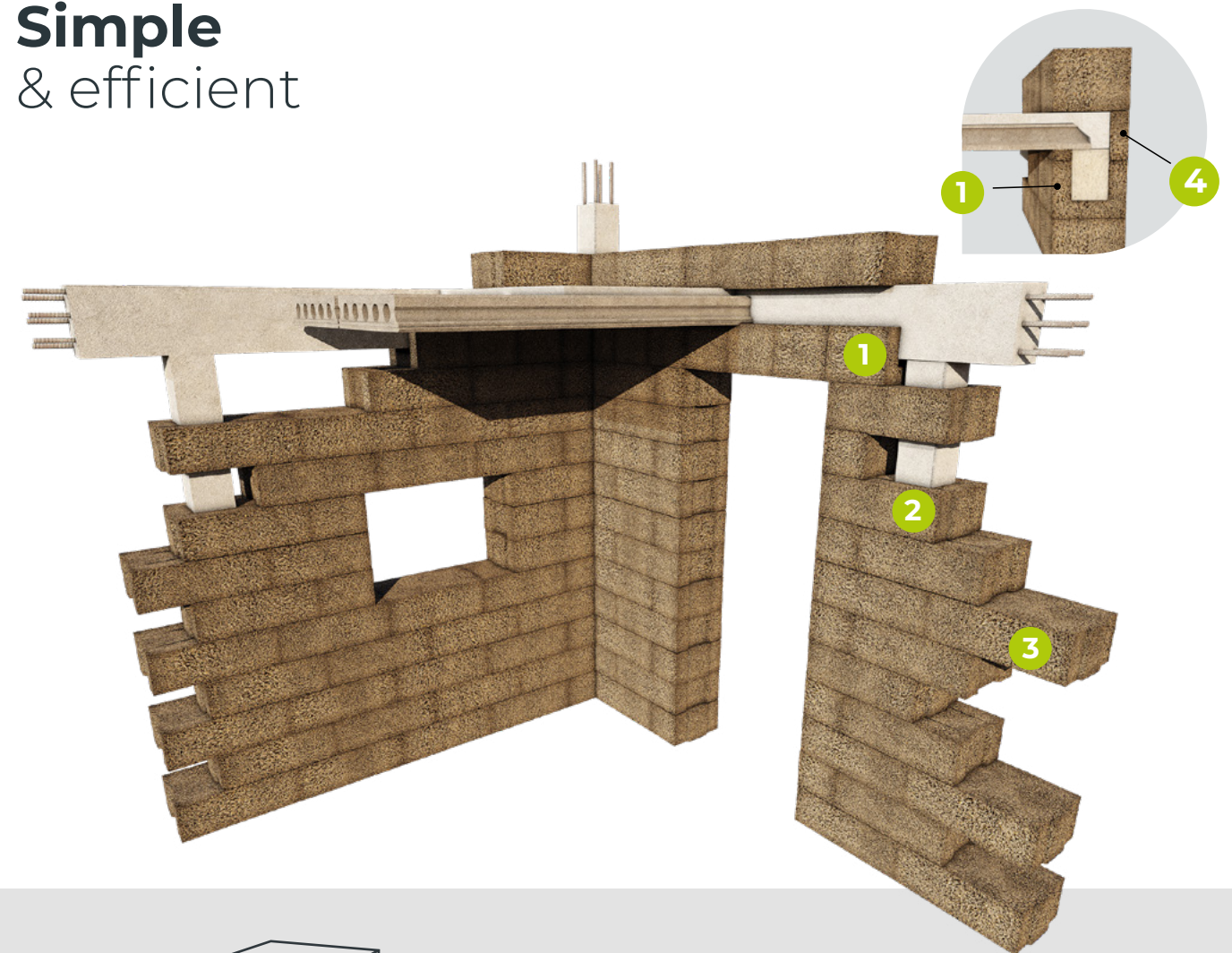
One of the great advantages of a Hempro home is the extremely low energy consumption. Depending on the thickness of the hemp walls, you can build houses with a standard of low, very low, or even passive energy consumption. The

standard Hempro wall has a thickness of 30 or 36 cm. It's possible to increase the energy efficiency of the building by adding a second layer of hemp blocks measuring 7, 9, 12, 15, 20, 25, 30 or 36 cm in thickness.

| | Block 30cm | Block 36cm | Block 36+9cm | Block 36+12cm | Block 36+15cm | Block 36+20cm | Block 36+25cm |
|--|-------------|-------------|--------------|---------------|---------------|---------------|---------------|
| Thickness wall | 33cm | 39cm | 48cm | 51cm | 54cm | 59cm | 64cm |
| R-value wall | 4,427 m²K/W | 5,272 m²K/W | 6,539 m²K/W | 6,962 m²K/W | 7,384 m²K/W | 8,089 m²K/W | 8,793 m²K/W |
| U-value wall | 0,226 W/m²K | 0,19 W/m²K | 0,153 W/m²K | 0,144 W/m²K | 0,135 W/m²K | 0,124 W/m²K | 0,114 W/m²K |
| LOW AND EXTREMELY LOW ENERGY CONSUMPTION | | | | PASSIVE | | | |

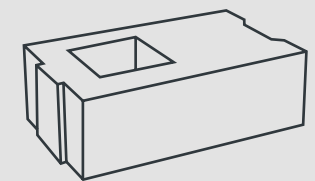
With a finishing layer of 1 cm on the inside and 2 cm on the outside

Simple & efficient



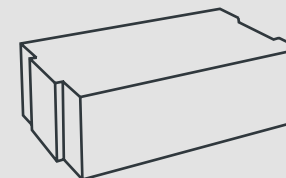
1 Hempro U-block

With our U-blocks, it's easy to create your reinforced concrete beams.



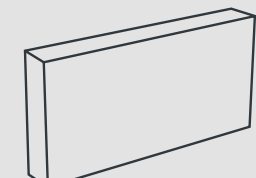
2 Hempro pre-drilled block

Your reinforced concrete columns are poured directly into our pre-drilled blocks.



3 Hempro block

Use our Hempro blocks to build the insulating shell of your building.



4 Partition block

Use the partition blocks on the U-blocks as a solution for the thermal bridges.



Applications

- Single-family homes
- Outbuildings
- Townhouses
- Apartment buildings
- Industrial building

Want to know more about the advantages of building with hemp? Then download our guide using this QR code.



From dream to reality

We were already impressed by the qualities of hemp blocks, but thanks to the Hempro system, we made a clear choice to build our house with them. This system consists of formwork blocks that make it possible to pour columns and beams directly into the masonry made of hemp blocks and thus create the load-bearing structure of the building. The blocks are easy to install. As an architect, I constantly recommend the use of this material to my clients.

Hempro house in the Meuse valley - Julie & Alexandre



We take care of your project as if it were our own

Our team helps you to make your project a sustainable success through preliminary studies, technical and design advice and guidance on your construction sites.

**Are you ready to build with hemp?
Then contact us today.**

Mail: info@isohemp.com

Tel: +32 (0)81 39 00 13

Fax: +32 (0)81 39 00 14

IsoHemp NV
Rue George Cosse, 1
Z.I. Noville-les-Bois
5380 Fernelmont, Belgium

