

SUSTAINABLE BUILDING AND RENOVATING WITH HEMP BLOCKS



### IsoHemp

Introduction

Simple, sustainable and reliable solutions for a healthy and comfortable home

Solution IsoHemp blocks – all the qualities of hemp and lime

**Environmentally friendly** manufacturing process



# Hemp blocks

What is hemp?





### Hemp blocks

What is hemp?

Plant with webbed leaves (2 meters high) growing in the absence of phytosanitary treatments

### **ADVANTAGES**

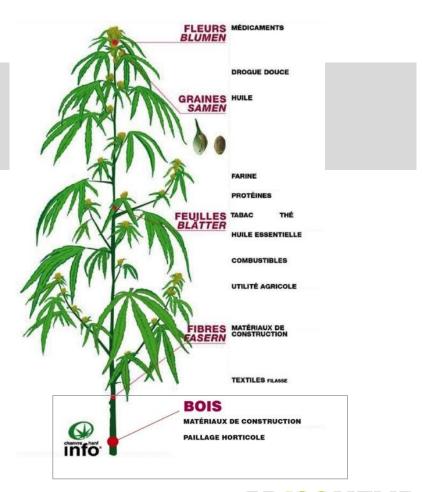
- Beneficial for earth: rotation
- Environmental benefits including carbon storage
- Alternative (wheat, corn, ...)

### **USE**

- Fiber



- Seed
- Powder





## IsoHemp

### Production site









- Advanced technology
- Production of more than 1 million blocks per year
- Production site of 1 hectare
- **Solution** Eco-friendly factory
- Short circuit



### Hempcrete blocks

Introduction

IsoHemp hempcrete blocks are great for glued, non-load-bearing masonry for building healthy, natural insulation and partition walls.



### Numerous applications:











# Hemp blocks

Key advantages



Thermal regulation



**Humidity regulation** 



**Acoustic insulation** 



Protection and resistance to fire

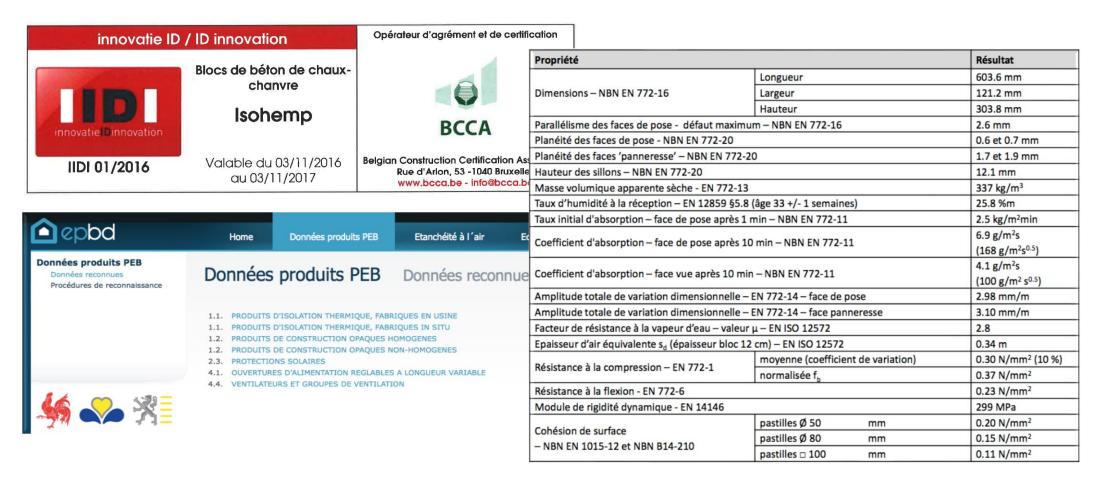


**Environmental qualities** 



## Hempcrete blocks

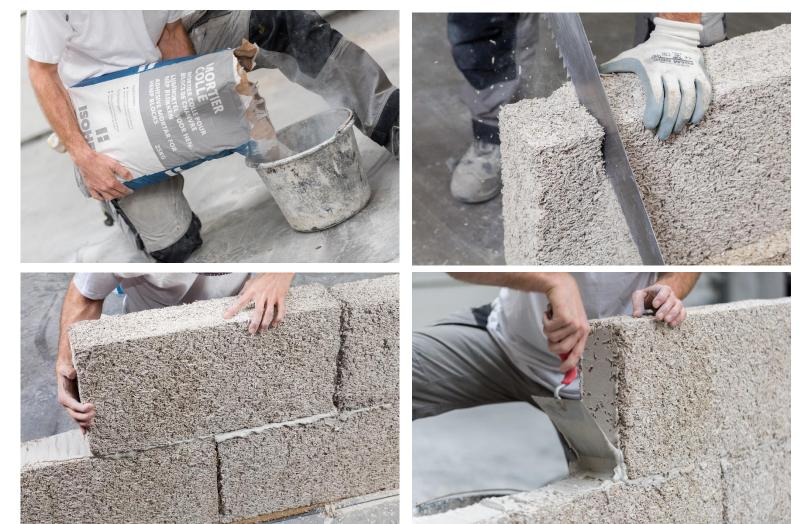
Technical approval and certifications





# Implementation

Speed and simplicity





### Applications

Build



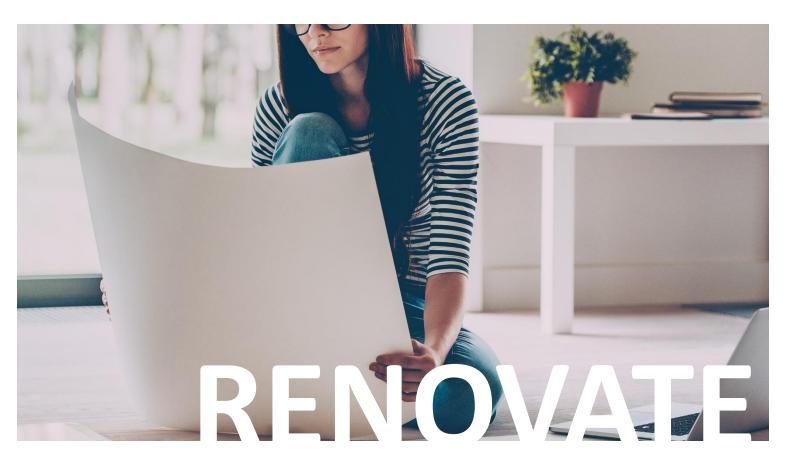
# An insulating and efficient envelope

Hempcrete blocks guarantee the success of your project and highlight your choice of constructive system



### Applications

Renovate



# An efficient and insulating liner

Thanks to IsoHemp hempcrete blocks, the efficient renovation of your building is guaranteed, in terms of moisture regulation and thermal and acoustic insulation



### Renovate

### Interior renovation

### > ADVANTAGES











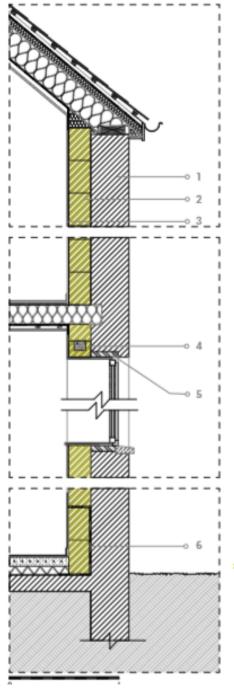




- ✓ Simple, economic and ecological solution
- ✓ No condensation or dew points
- ✓ Healthy inside environment
- ✓ Simple penetration of service ducts and fasteners







#### > BLOCS ISOHEMP INTÉRIEURS 20CM

- 1 Bâtiment existant
- 2 Bloc IsoHemp 20cm
- Enduit intérieur
- 4 Linteau IsoHemp
- Isolation thermique
- 6 Membrane d'étanchéité

### Renovate

### Exterior renovation

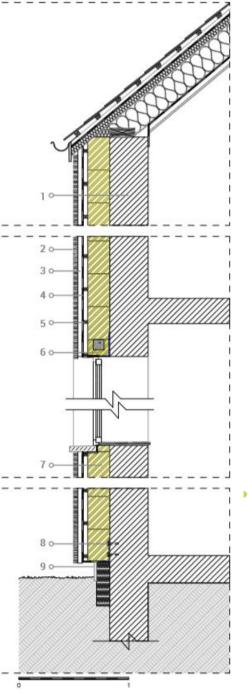
### > ADVANTAGES



- ✓ Resistance of the insulating envelope
- ✓ Support for panels, substrate for renders and stones
- ✓ Environmental and sustainable solution
- Regulation of the wall moisture







#### > BLOCS ISOHEMP EXTÉRIEURS 20CM

- Bâtiment existant
- 2 Bardage
- 3 Contre lattage
- 4 Pare pluie
- 5 Lattage
- 6 Linteau IsoHemp
- 7 Bloc IsoHemp 20cm
- 8 Cornière métallique
- 9 Plinthe + isolant collé

## Applications

Inner walls



### Interior masonry

Build your walls or partitions with our hempcrete blocks to ensure light-weight, simple walls with acoustic protection



Rénovation – Réhabilitation d'une ancienne grange en habitation – Scoumont





Rénovation d'un ancien corps de ferme – Fougère (France)









Rénovation – Rénovation entière totale d'une ancienne maison - Waterloo





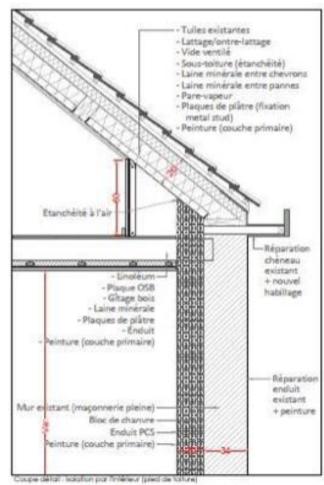




Isolation intérieure – rénovation de 86 maisons - Anderlecht



Source: Bruxelles Environnement

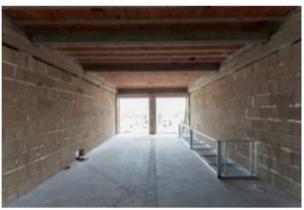




Création d'appartements – isolation et cloisonnement – Saint-Gilles









Rénovation – Création d'appartements dans une ancienne grange - Ottignies









Rénovation – Doublage de maçonnerie par l'extérieur – Sainte-Marie









### Conclusion

Our challenges



To provide **Comfort** and **well-being** for your building or renovation project by offering sustainable and efficient solutions for inner walls and insulating envelopes





### Naturally efficient

www.isohemp.com



