



# INSULATED FORMWORK SLABS

## FOR HIGH-PERFORMANCE CONSTRUCTION

- EXCEPTIONAL THERMAL INSULATION
- OVERLOADS UP TO 600 KG/M<sup>2</sup> AND MORE
- CLEAR SPAN OF 8 M AND MORE
- EASY TO INSTALL



R=9.45  
m<sup>2</sup>.K/W\*

A

# EUROMAC2 INSULATED FORMWORK SLABS



## MADE-TO-MEASURE

MANUFACTURED AND DELIVERED  
TO DESIRED LENGTH



## OVERLOAD RESISTANCE

UP TO 600 KG / M<sup>2</sup>



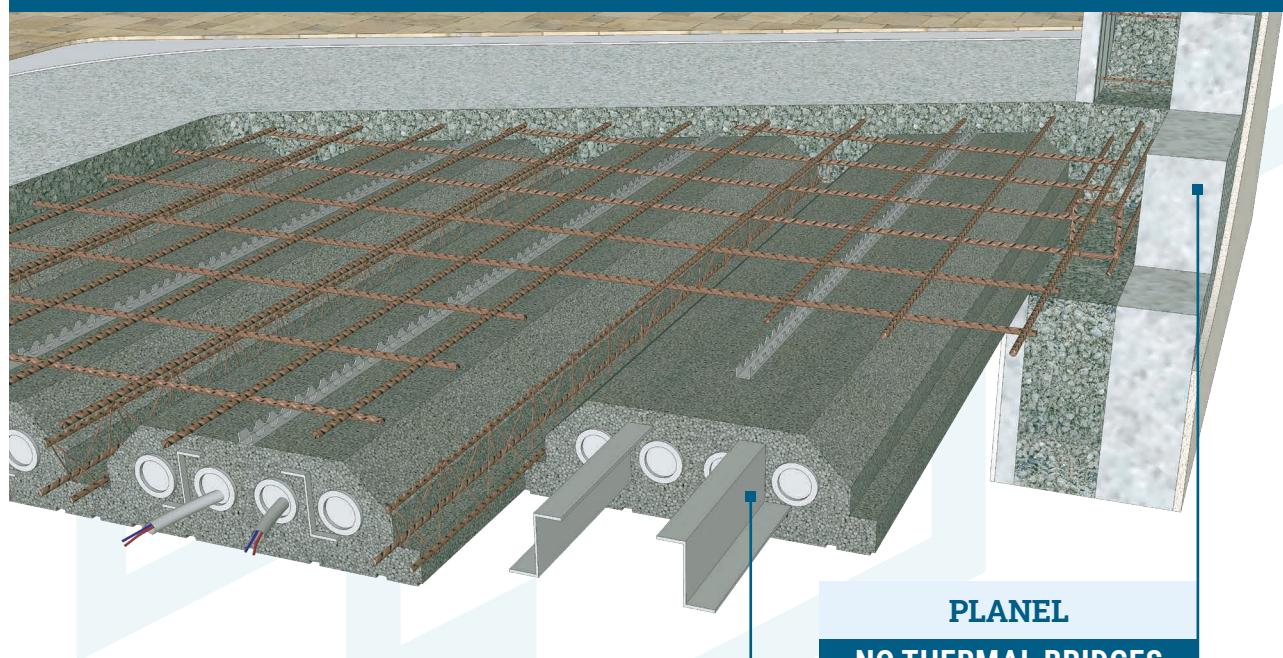
## SIMULTANEOUS POURING

CASTING SLABS AND BEAMS  
AT THE SAME TIME



## NO LIFTING EQUIPMENT NEEDED

BEAMS: +/- 3 KG / M  
FLOOR SLABS: +/- 5 KG / M



PLANEL

NO THERMAL BRIDGES

CARRIER PROFILE

SAFE MOVING

## 4 IN 1

IN ONE SIMPLE OPERATION, YOU CAN  
CARRY OUT 4 COMPLEX OPERATIONS IN  
TRADITIONAL CONSTRUCTION:

- ① FORMWORK LAYING
- ② INSULATION LAYING
- ③ AIR-TIGHTNESS
- ④ ELIMINATION OF THERMAL BRIDGES

## THE EUROMAC2 ADVANTAGES

- ① FREE QUOTATIONS
- ② REBAR AND SLAB KIT
- ③ ON-SITE DELIVERY
- ④ ASSISTANCE AND TRAINING



## EXCELLENCE IN INSULATION!

To comply with thermal regulations, use our **EUROMAC2** insulating formwork slabs. Remarkably light, offering excellent insulation, they are easy to install, with a **clear span of up to 8m** and a load-bearing capacity of **over 600kg/m<sup>2</sup>**. They are ideal for all types of floor in new construction or renovation.



**EUROMAC2 WILL GIVE YOU AN ESTIMATE FOR YOUR PROJECT, AND PROVIDE FREE INSTALLATION PLANS AND STRENGTH CALCULATIONS FOR YOUR SLABS.**

### DATA TO BE TAKEN INTO ACCOUNT WHEN DEFINING YOUR SLABS:

- Operating loads: lump-sum value depending on building use (dwelling = 150 kg/m<sup>2</sup>).
- Permanent loads: these depend on the project and are either distributed (type of floor and covering, suspended or unsuspended ceiling, type of partitions), or point loads (staircase, chimney, Jacuzzi, etc.).
- Clear span: this is the distance between two primary walls (load-bearing, ...) or two secondary walls (intermediate beams, etc.).
- Terraces and roof terraces: attention to climatic overloads, waterproofing and landscaping.

## EUROMAC2 INSULATING FORMWORK SLAB RANGE

STANDARD DATA > RESIDENTIAL TYPE WITH COMPRESSION SLAB

### STANDARD SERIES

TOTAL HEIGHT OF HOURDI (IN CM) - * HEIGHT OF RISER	17	17 + 4* = 21	17 + 8* = 25	17 + 10* = 27
CLEAR SPAN	0 à 4,80 M	4,80 à 5,50 M	5,50 à 6,20 M	6,20 à 6,70 M <sup>1</sup>
SLAB WEIGHT (KG / ML)	5,00	5,30	5,55	5,70
THERMAL RESISTANCE	$R_p - (m^2.K) / W$	2,86	2,99	3,07
THERMAL LOSS	$U_p - W / (m^2.K)$	0,304	0,287	0,275
CONCRETE CUBING (in liter / m <sup>2</sup> )	88	101	115	121
BEAMS WEIGHT (in kg / ml)	3	4	5	6

<sup>1</sup>please consult us for sizes over 6,70m

### TECHNICAL SPECIFICATIONS

BUILDING REGULATIONS AND TECHNICAL NOTICE	Procédé de plancher nervuré en béton armé à poutrelles préfabriquées en treillis métallique soudé, avec hourdis en polystyrène expansé avec dalle de compression coulée en œuvre. DTA 3.1/20-1022_V2
EUROPEAN STANDARD	EN 13163 : 2013
RATING - REACTION TO FIRE	EUROCLASSE E
FIRE RESISTANCE	F60 (avis N°GA-2013/204 réalisé par IBB)
THERMAL CONDUCTIVITY OF EPS	$\lambda_D = 0,031 W / (m.K)$

<sup>2</sup>Equivalent classes to the standard according to use

### APPLICATION CHARACTERISTICS

TYPE OF CONCRETE	C25/30, S3-S4, Granulométrie 8-16mm <sup>2</sup>
SUPPORT	According to installation plan

### THE EUROMAC2 SLAB

#### MODULAR AND FLEXIBLE

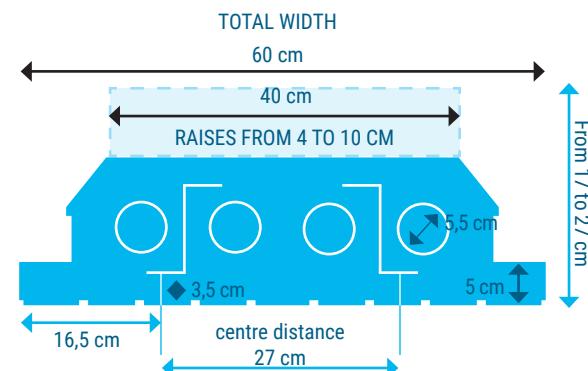
Easy to cut for adjustments

#### SIMULTANEOUS CASTING

Slab + beam in one go

#### QUICK AND EASY

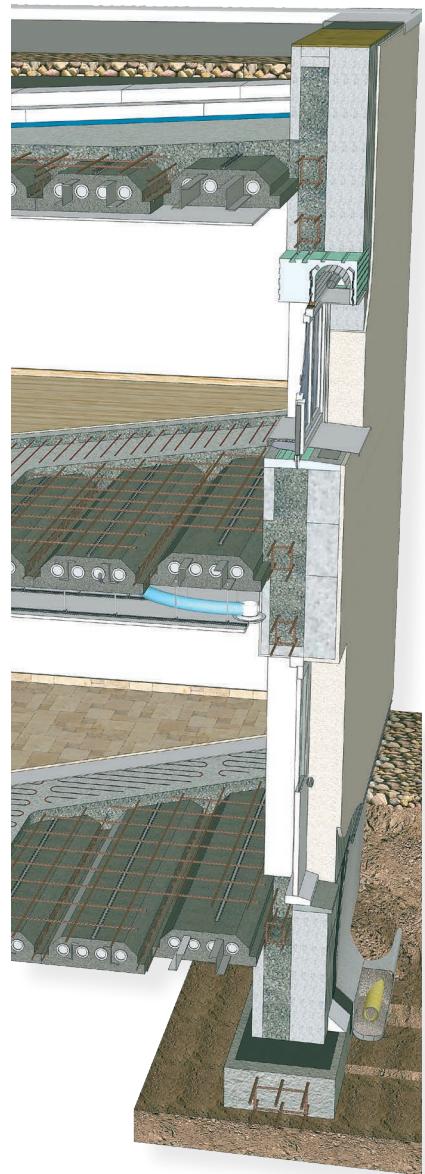
Pouring once the reinforcement has been laid



# OUR SOLUTIONS

## ROOF-TERRACE SLAB

- Reduction of thermal bridges
- Airtightness
- Continuous insulation of walls and acroteria
- Solution for green roofs



## FLOOR SLAB

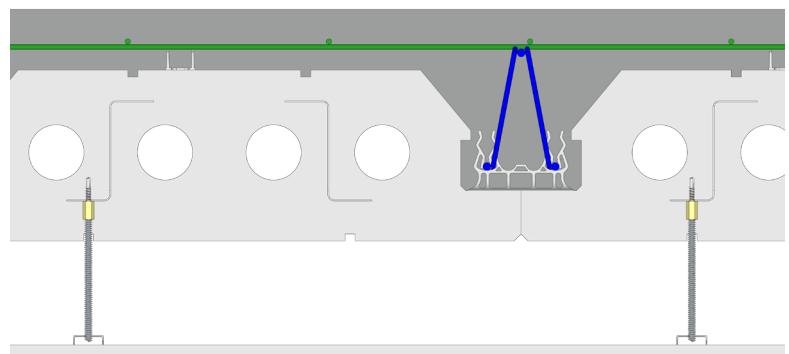
- Temperature management by level and room room, separating the day and night parts of the for better energy management
- Facilitates installation of false ceilings, ducts and lighting
- Allows all types of finishing (friezes, sprayed plaster and BA13)
- Facilitates the creation of reservations

## CRAWL-SPACE SLAB

- A genuine thermal barrier for unrivalled comfort
- Installation on crawl space walls, reduced lead times, no special tools, savings on materials
- Suitable for seismic zones, flood zones, clay soil, mine damage, etc.

## ADJUSTABLE FALSE CEILING

The adjusters, screwed into the metal Zs of the slab, allow precise adjustment of the false ceiling height. This solution guarantees a robust, adaptable installation that meets the specific requirements of each project.



## BENEFITS OF EUROMAC2



- SIMPLE AND EASY TO HANDLE
- MECHANICAL RESISTANCE

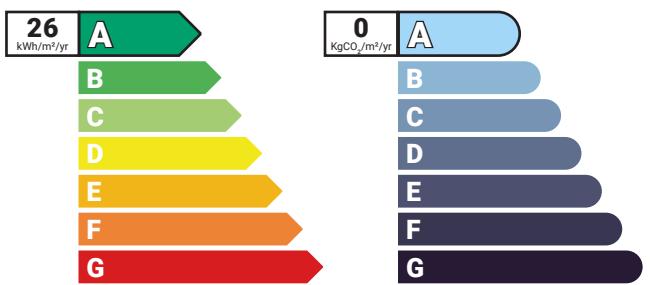
- RAPIDITY
- LONG-TERM SAVINGS

- FLEXIBILITY OF USE
- HIGH-PERFORMANCES

## ENERGY EFFICIENCY

**EUROMAC2** insulated formwork slabs are distinguished by their **high energy efficiency**, ensuring **optimum insulation** and **significant energy savings**. Their compatibility with low-carbon concrete reinforces their position as a **sustainable solution**, helping to reduce the final carbon footprint of construction.

Example of an DPE<sup>1</sup> for a 133m<sup>2</sup> house built in EUROMAC2\*.



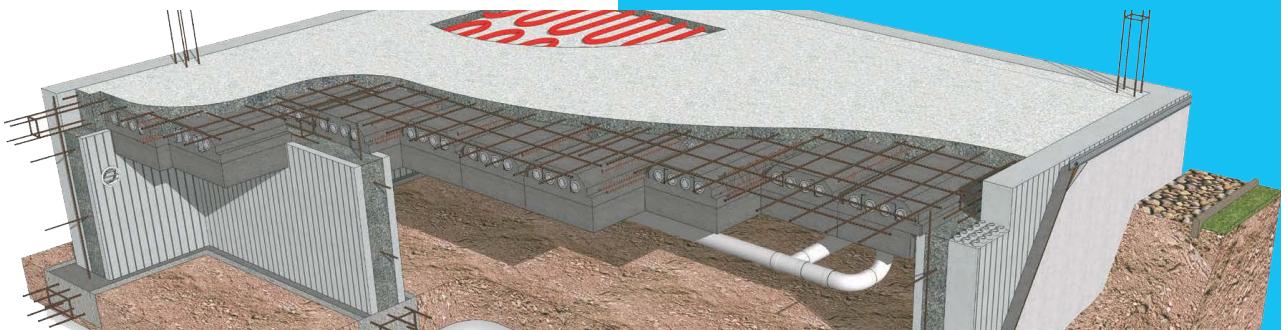
1 - French Energy efficiency measurement survey

\*This study takes into account the fact that the entire energy system of this building is electric with the 2023 french energy mix

## GO FURTHER

SOUFASSEMENTS  
**THERMIDECK**

**THERMIDECK SLABS**  
**4 PERFORMANCE LEVELS TO COMBINE,**  
**A SOLUTION FOR EVERY PROJECT!**



SLAB	STANDARD	SUPERIOR	PASSIVE	PASSIVE+
HOURDI (THICKNESS: 17 CM)				
UNDERFACE (THICKNESS: DEPENDING ON R)				
	STANDARD	THERMIDECK 6	THERMIDECK 7	THERMIDECK 9
THERMAL RESISTANCE (FOR A SPAN OF 4.50 M) $R_t$ - (M².K) / W	2,60	5,70	6,95	9,45
$U_p$ - W / (M².K)	0,38	0,17	0,14	0,10
SLAB THICKNESS (CM)	17	17	17	17
UNDERFACE THICKNESS (CM)	0	10	14	22
TOTAL THICKNESS (CM)	17	27	31	39
SLAB WEIGHT (KG PER ML)	5	6,4	6,9	7,9
CONCRETE SLAB THICKNESS	6 to 8cm			
CONCRETE CUBAGE (LITER / M <sup>2</sup> ) FOR A STANDARD SLAB	88	88	88	88

PLANS AND CALCULATIONS FOR YOUR SLABS IN ACCORDANCE WITH CURRENT FRENCH STANDARDS

# LEADER IN HIGH-PERFORMANCE HIGH-PERFORMANCE BUILDING MATERIALS

SINCE 1976



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## DISCOVER OUR OTHER DOCUMENTATION



### BLOCS COFFRANTS ISOLANTS À BÉTON POUR CONSTRUCTIONS HAUTE PERFORMANCES



EUROMAC2 CONSTRUCTIONS HAUTE PERFORMANCES

CSTB

ETIQUETTE B2

ETIQUETTE B3

ETIQUETTE B4

ETIQUETTE B5

ETIQUETTE B6

ETIQUETTE B7

ETIQUETTE B8

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