



INSULATING FORM BLOCK (ICF)

FOR HIGH-PERFORMANCE CONSTRUCTION

- NO THERMAL BRIDGES
- OPTIMIZED AIRTIGHTNESS
- EXCEPTIONAL THERMAL INSULATION
- SECURED OUTSIDE INSULATION
- EASY TO INSTALL



R=8.70
m².K/W*

A

THE EUROMAC2 INSULATED CONCRETE FORM



ASSURED INTERLOCKING

ADJUSTABLE FROM 5 TO 5 CM LENGTHWISE
MORTAR/GLUE-FREE INSTALLATION



EASY CONCRETE POURING

CONCRETE POURED AT FLOOR LEVEL



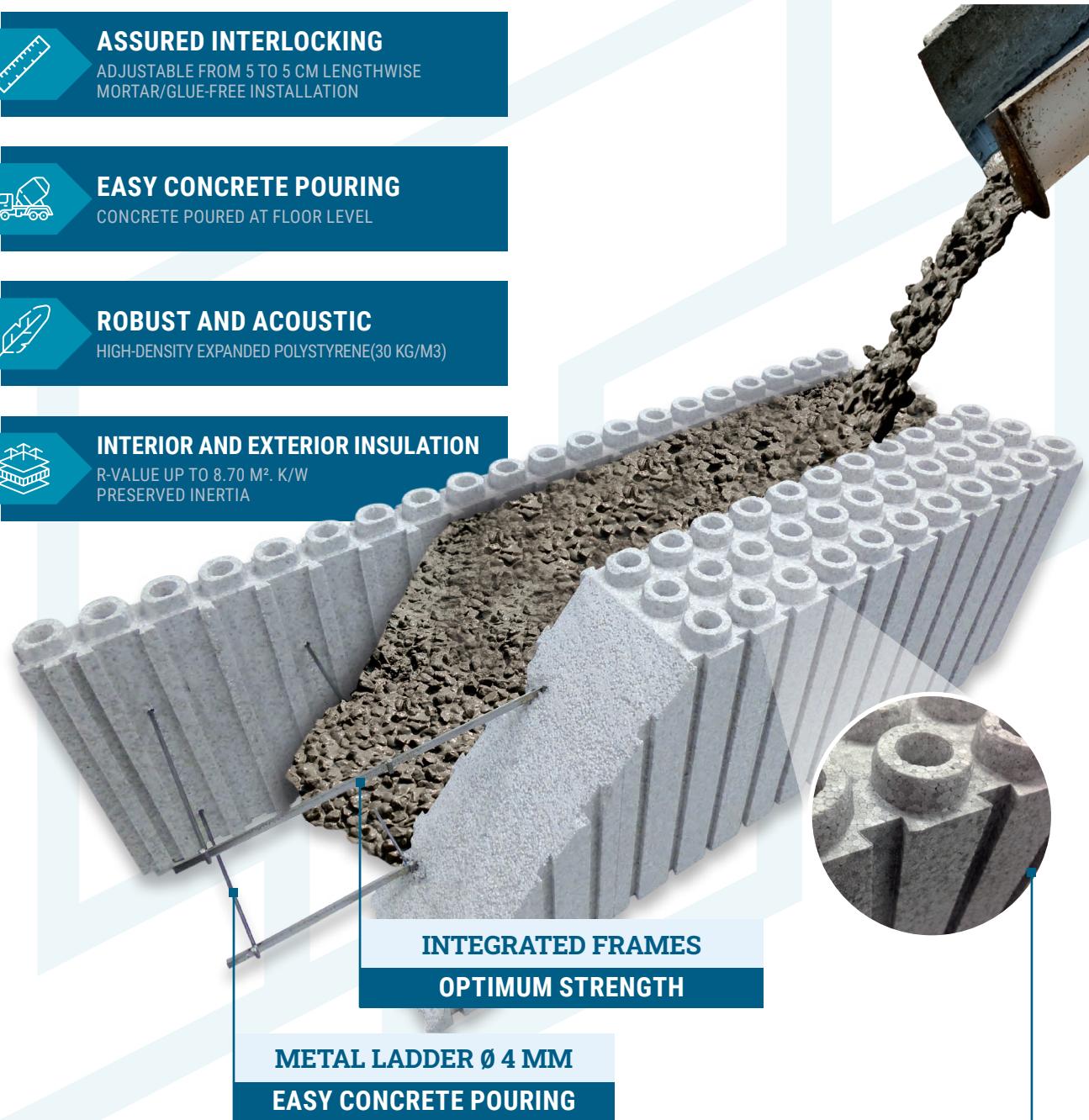
ROBUST AND ACOUSTIC

HIGH-DENSITY EXPANDED POLYSTYRENE(30 KG/M³)



INTERIOR AND EXTERIOR INSULATION

R-VALUE UP TO 8.70 M². K/W
PRESERVED INERTIA



**INTEGRATED FRAMES
OPTIMUM STRENGTH**

**METAL LADDER Ø 4 MM
EASY CONCRETE POURING**

4 IN 1

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

- ① WALL ASSEMBLY
- ② INSTALLING THE INSULATION
- ③ AIR-TIGHTNESS
- ④ ACOUSTIC INSULATION*

**PERFECT PLASTER ADHESION
DOVETAIL PROFILE**

THE EUROMAC2 ADVANTAGES

- ① FREE QUOTATIONS
- ② SPECIALIZED ENGINEERING OFFICE
- ③ ON-SITE DELIVERY
- ④ ASSISTANCE AND TRAINING



EXCELLENCE IN INSULATION!

Total elimination of thermal bridges, airtightness, optimal thermal inertia, secure insulation! The **EUROMAC2** insulating formwork block is at ease with all types of architecture, construction and finishing, and is RE 2020-compliant! (RE2020 = Strict French energy efficiency regulation)

EUROMAC2 INSULATING FORMWORK BLOCKS (ICF) RANGE

100 SERIES

| | | | |
|----------------------|-------|-------|-------|
| BLOCK THICKNESS (CM) | 25 | 35 | 45 |
| BLOCK HEIGHT (CM) | 20/30 | 20/30 | 20/30 |
| BLOCK LENGTH (CM) | 100 | 100 | 100 |

JUMBO SERIES

| | | |
|-------------------|-----|-----|
| BLOCK HEIGHT (cm) | 60 | 60 |
| BLOCK LENGTH (cm) | 175 | 175 |

TECHNICAL SPECIFICATIONS

* Les calculs ont été réalisés sur l'épaisseur totale du mur (bloc + plâtre + béton + enduit)

| | | | | |
|--|--|---|--|-------|
| WALL THERMAL RESISTANCE | $R_p - (m^2.K) / W^*$ | 2,7 | 5,6 | 8,7 |
| WALL HEAT LOSS | $U_p - W / (m^2.K)^*$ | 0,35 | 0,17 | 0,11 |
| TOTAL WALL THICKNESS (cm) <i>with plaster and exterior rendering</i> | | 28,6 | 38,6 | 48,6 |
| BLOCK WEIGHT (kg /m ²) | <i>Standard series - For 16 cm concrete</i> | 6,05 | 8,95 | 11,90 |
| COMMON APPLICATIONS | - Dividing walls - Basements - Crawl space | RE 2020 - Exterior walls - Insulated basement | RE 2020 - Passive and positive house exterior walls for reinforced insulation | |

| | | | |
|--|--|------------------|------------------|
| TECHNICAL NOTICE | DTA-16_15-716_V4 | DTA-16_15-716_V4 | DTA-16_15-716_V4 |
| EUROPEAN STANDARD | ETA-05/0001 | ETA-05/0001 | ETA-05/0001 |
| REACTION TO FIRE (EXPANDED POLYSTYRENE ONLY) | Euroclasse E | Euroclasse E | Euroclasse E |
| REACTION TO FIRE - EXTERIOR WALL AND RENDERING | B, s1-d0 | B, s1-d0 | B, s1-d0 |
| | B: Non-flammable / s1: Low smoke emission / d0: No flammable droplets or debris | | |
| FIRE RESISTANCE (WALL WITH FIBER-REINFORCED CONCRETE) ACCORDING TO PV EFFECTIFS EFR-23-000623 | | REI 120 | |
| THERMAL CONDUCTIVITY OF EPS | $\lambda_b = 0,033 \text{ W} / (\text{m.K})$ | | |
| ACOUSTIC INSULATION | $Rw = 50 \text{ dB} (-1, -4)^* / Rw + C = 49 \text{ dB} / Rw + Ctr = 46 \text{ dB}$ *Measurements carried out by CSTB (Test n°AC14-26050724) on a standard configuration (glued plasterboard lining). The process can be used to comply with regulations on insulation against external noise; in separating walls between dwellings, the use of the process requires a special study. | | |

CONCRETE PROPERTIES

| | |
|-----------------|---|
| CONCRETE VOLUME | 1551 /m ² of 16 cm concrete thickness block, i.e. 390 kg /m ² |
| CONCRETE DOSING | ± 350 kg /m ³ - Consistency S3 or S4 - Grain size 0-8 / 0-16 |

EUROMAC2 insulating formwork blocks are used for single-family and multi-family dwellings up to 3rd family level, with the last floor at a maximum height of 28 meters.

The EUROMAC2 construction system meets the requirements of the technical clauses for building work, in particular:
DTU 21 > Exécution des ouvrages en béton and DTU 23-1 > Murs en béton banché

THE EUROMAC2 ICF

SIMPLE AND FAST

Simplified interlocking for fast installation

MODULAR AND FLEXIBLE

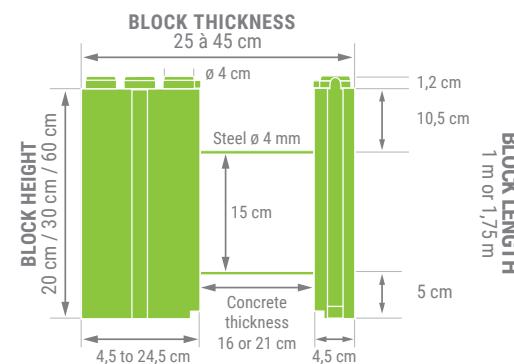
Easy to cut and install from 5 cm to 5 cm

EASY INSTALLATION OF REINFORCEMENT

As recommended by the concrete engineer

OPENINGS WITHOUT THERMAL BRIDGES

Quality of window frames and shutter boxes



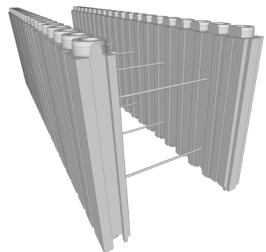


EXTERIOR AND INTERIOR FINISH TYPES



COMPLEMENTARY PRODUCTS

21 CM CONCRETE THICKNESS



EXTREME STRENGTH
FOR HEAVY SLOPE GRADIENTS

EXTENSIVE REINFORCEMENT
ADAPTED TO THE PROJECT'S CONTEXT

SEPARATIVE ACOUSTICS
FOR ENHANCED SOUNDPROOFING

WATERPROOFING KIT



SELF-ADHESIVE BITUMEN
FOR MAXIMUM SEALING AND EASY INSTALLATION

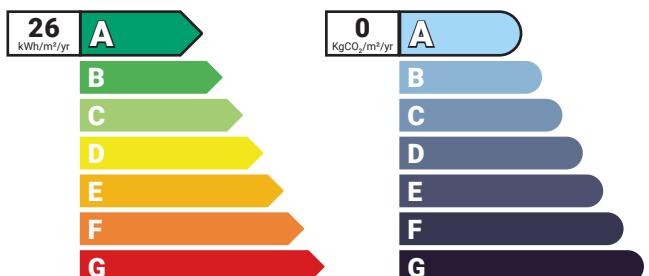
DELTA MS
FOR PROTECTIVE REINFORCEMENT

STAINLESS STEEL FASTENERS
NO RISK OF CORROSION

ENERGY EFFICIENCY

EUROMAC2 blocks (ICFs) 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.

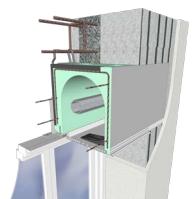
Example of an DPE¹ for a 133m² house built in EUROMAC2*.



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

SHUTTERS & WINDOWS



shutter boxes

For an integrated solution

- Custom length
- Metal/plastic shutter compatible
- Easy installation
- Subject to technical approval



Window accessories

For complete insulation

- Window sill
- Lintel bottom
- Jamb plug

OPEN ARCHITECTURE



LEADER IN HIGH-PERFORMANCE HIGH-PERFORMANCE BUILDING MATERIALS

SINCE 1976



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