

# THERMAL INSULATION MATERIALS

**FOR ENERGY-EFFICIENT  
AND PASSIVE CONSTRUCTION**

**ACHIEVE GUARANTEED TOP  
PARAMETERS IN PACKAGE**

**TRADE OFFER**



# WARM MOUTING BEAM SYSTEM

## A COMPREHENSIVE SOLUTION

The system is a thermally insulated support frame that securely connects window frames to the existing wall structure. When properly and carefully integrated into a two-layer wall insulation system, it meets the fire safety requirements of the NRO standard.

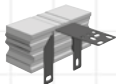
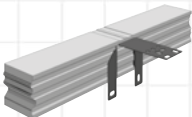
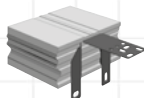
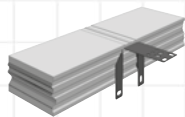

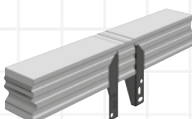
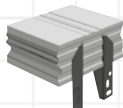
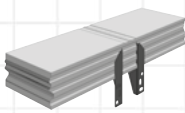
### LIST OF ASSORTMENTS CBM MARBET

**i**


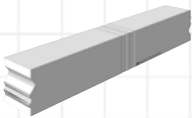

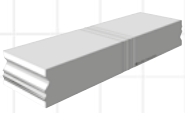

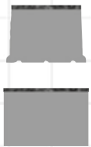





Material EPS:  
Density:  $\geq 40 \text{ kg/m}^3$ ;  
CS (10) 300:  $\geq 300 \text{ kPa}$   
 $\lambda_D \leq 0,032 \text{ W/mK}$ ;

\*) – for BP HARD  
Density:  $\geq 60 \text{ kg/m}^3$ ;  
CS (10) 600:  $\geq 600 \text{ kPa}$   
 $\lambda_D \leq 0,034 \text{ W/mK}$ ;

#### type of element (width of the jamb)

Length of the CBM beam	10 cm		20 cm	
	25 cm	70 cm	25 cm	70 cm
with bracket external	 CBM.10.25.W	 CBM.10.70.W	 CBM.20.25.W	 CBM.20.70.W
Beam with an external bracket	 CBM.10.25.Z	 CBM.10.70.Z	 CBM.20.25.Z	 CBM.20.70.Z

#### Elements that complement the CBM system

Beam without a bracket	 CBM.10.25	 CBM.10.70	 CBM.20.25	 CBM.20.70
Under-sill beam:	 BP BP.HARD*)			
The base of the inner window sill (PPW)	 PPW			
The base of the outer window sill (PPZ)	 PPZ			
Nib (W)	 W			

**WARM MOUTING BEAM**



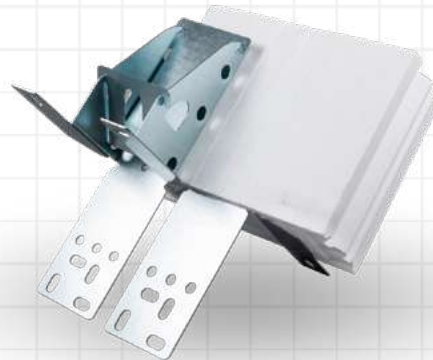
**Why choose it?**

**Thermal Comfort**

Helps maintain optimal indoor temperatures.

**Energy Savings**

Lower bills by minimising heat loss.



**Easy Installation**

Based on a "building block" concept.

**Safety**

Top-class performance in strength, sealing, and thermal insulation.

**Durability**

A solution validated through ageing tests.

**CERTIFICATIONS**



**KRAJOWA OCENA TECHNICZNA ITB-KOT-2018/0410 wydanie 2**

Niniejsza Krajowa Ocena Techniczna została wydana zgodnie z rozporządzeniem Ministra Infrastruktury i Budownictwa z dnia 17 listopada 2016 r. w sprawie krajowych ocen technicznych (Dz. U. z 2016 r., poz. 1968) przez Instytut Techniki Budowlanej w Warszawie, na wniosek:

**MARBET Sp. z o.o.**  
ul. Chochołowska 28, 43-346 Bielsko-Biala

Krajowa Ocena Techniczna ITB-KOT-2018/0410 wydanie 2 służy do celów pozytywnej oceny właściwości użytkowych poniższych wyrobów budowlanych do zamierzonego zastosowania:

**Ciepłe Belki Montażowe (CBM) MARBET wraz z elementami uzupełniającymi**

Data ważności Krajowej Oceny Technicznej:  
28 kwietnia 2028 r.

DYREKTOR  
Instytutu Techniki Budowlanej  
*[Signature]*  
dr inż. Robert Dębski



Warszawa, 28 kwietnia 2023 r.

Dokument Krajowej Oceny Technicznej ITB-KOT-2018/0410 wydanie 2 zawiera 21 stron, w tym 2 Załączniki. Krajowa Ocena Techniczna ITB-KOT-2018/0410 wydanie 2 zawiera Krajową Ocennę Techniczną ITB-KOT-2018/0410 wydanie 1. Tenże dokument można sprawdzić tylko w formie elektronicznej. Publikowanie lub rozpowszechnianie w jakiegokolwiek formie bez zgody Instytutu Techniki Budowlanej stanowi naruszenie przepisów prawa chroniących przed rozpowszechnianiem informacji o charakterze poufnym.



Kategorie: **Fensteranschluss**  
 Nr.: **MARBET Sp. z o.o., Bielsko-Biala, Polen**  
 Produktname: **Marbet CBM**

Folgende Kriterien für die kühl-gemäßigte Klimazone wurden geprüft:

Behaglichkeit	U <sub>W,gesamt</sub> ≤ 0,85 W/(m <sup>2</sup> )
m2 U <sub>G</sub>	≤ 10 GJ/m <sup>2</sup> KJ
Hygiene	f <sub>Rk,25</sub> ≥ 0,70



**National Technical Assessment (ITB)**

**Passive House Institute Darmstadt Certification**

## THERMAL INSULATION BASES FOR WINDOWS AND BALCONIES



**Phonotherm® 200** is primarily made from high-density polyurethane foam.

The bases are custom-sized and grooved to match any window frame profile.



- ✓ **HIGH THERMAL INSULATION**
- ✓ **REDUCTION OF THERMAL BRIDGES**
- ✓ **IMPROVED ENERGY BALANCE OF THE BUILDING**
- ✓ **MINIMISED MOISTURE AND MOULD RISKS**
- ✓ **LOWER ENERGY CONSUMPTION COSTS**
- ✓ **QUICK AND EASY INSTALLATION**





## THERMAL THRESHOLD FOR GARAGE DOORS

The thermal threshold offers a **modern approach to garage insulation, reducing heat loss**. By using this element, cold air, dust, and moisture are prevented from entering the space, ensuring stable indoor temperatures.

Lower energy consumption also translates into significant financial benefits for owners.



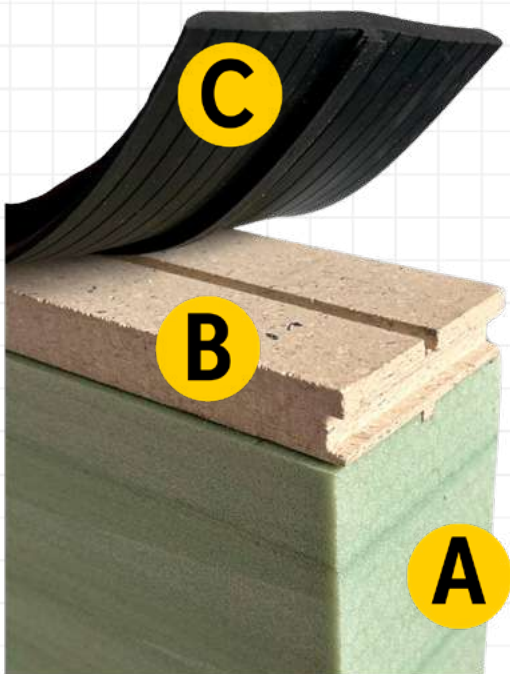
**Additionally, the thermal threshold extends the lifespan of the garage door.**

By sealing its lower section, the risk of mechanical damage is reduced, resulting in lower maintenance costs and prolonged, trouble-free use.

**The product consists of three key components:**

- A** – PET profile
  - B** – Phonotherm® 200
  - C** – protective rubber [width: 100 mm]
- } [250 x 80 x 1200 mm]

available in standard lengths for garage doors:  
3600 mm, 4800 mm, 6000 mm, 7200 mm.



## COMPREHENSIVE SUPPORT AND CUSTOM SOLUTIONS

- ✓ Products made of durable materials with specialised construction adhesives.  
The **dedicated adhesive** ensures professional installation and long-lasting functionality.
- ✓ **Delivered with a complete installation kit:** plugs, screws, and brackets.
- ✓ **Solutions tailored to meet individual client expectations.**
- ✓ We provide **professional consulting.**

## ADHESIVES AND INSTALLATION

With the Warm Mouting Beam system, we offer complementary solutions for installation, including expansion bolts and construction adhesives.

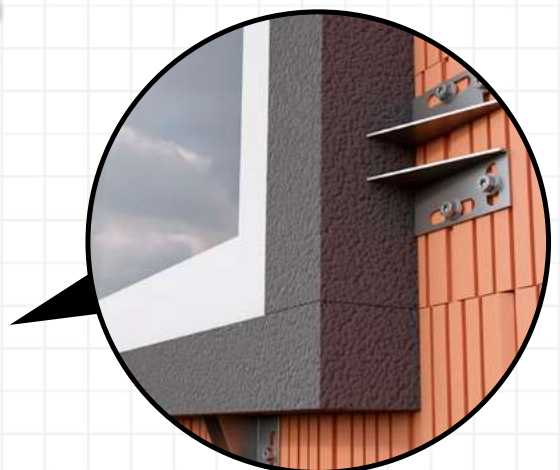


### TYTAN Professional WINS Products

A complete system for three-layer sealing and insulating of windows and doors using liquid foils. It boasts high flexibility, exceptional sealing, and resistance to extreme weather conditions, vibrations, and loads. Independent tests confirm excellent performance and seamless compatibility between WINS and WMB systems.

### KLIMAS Wkręt-Met Expansion Bolts

Certified by the National Technical Assessment (ITB), these bolts guarantee a declared load capacity of 600 kg per linear metre.



By using our complementary materials for the CBM system installation, clients are assured of achieving the expected load-bearing capacity and seal integrity.



## EXAMPLE PROJECTS







**MARBET Sp. z o.o.**

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**[www.marbetbausystem.com](http://www.marbetbausystem.com)**