IZODOM



Building blocks for construction of energy-efficient and passive houses



Management Board of Izodom 2000 Polska

Izodom 2000 Polska is the only manufacturer of construction materials offering a complete technology for the construction of energy-saving and passive houses.

IZODOM is a family-owned company present on the market since 1991 with its production facilities located in Poland and several European countries, the technology of which is certified by the German Passive House Institute in Darmstadt.

The mission of IZODOM is to provide technology and products to build sustainable, healthy, environmentally friendly houses and buildings faster and with the lowest maintenance costs, so that families can enjoy better living.

IZODOM brand products are available in more than 50 countries. Join the group of 25,000 satisfied customers.

IZODOM

CONTACT US

Talk to our consultant.

We would be happy to tell you about energy efficiency, our products and cooperation opportunities.

+48 43 823 23 68
Mo. - Fr: 8:00-16:00

izodom@izodom.com
Do you prefer e-mail contact? Write!

Free quote for house construction



www.izodom.com

CONTENTS

Why build energy-efficiently?	4
Introduction to IZODOM Technology	5
Ease and speed of construction	6
Real savings	7
Any size of building	8
Extra surface area	9
Reliable durability	10
What about CO_2?	11
Our raw materials	12
Thermal bridges and thermal comfort	13
Why build a house using IZODOM technology	14
Systems tailored to your needs	16
IZOBasic	18
IZOStandard	19
IZOEnergy	20
IZOPassive	22
IZOPlus	24
Additional element	25
IZOBeta	26
IZOAlfa	26
Essential accessories	27
Construction instructions	28
IZOHouse house construction service	30

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Why
build energy-efficiently?



The energy-efficient home is the future

The energy crisis, raw material shortages and legislation are just a few of the important issues we should take into account when deciding which technology to use to build a house.

An energy-efficient house is no longer an individual choice **as the regulations make it compulsory to erect only this type of buildings.**

An energy-efficient house means minimizing heat losses which in a traditional building occur in the ventilation, walls and windows. A building erected with IZODOM technology has high energy efficiency, so you do not have to worry about future bills. Therefore, take care of your future and that of your children today.

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Introduction
to IZODOM Technology



Save up to 80% on heating costs!

ICF called lost formwork or lost shuttering system is most often used in the form of a combination of expanded polystyrene and concrete, of which IZODOM is an example. This is an excellent alternative to conventional construction methods. The technology is gaining enormous popularity around the world. The use of ICF significantly shortens and simplifies the construction process, also reducing labour costs. **A house built with IZODOM technology will save up to 80% on heating costs.**

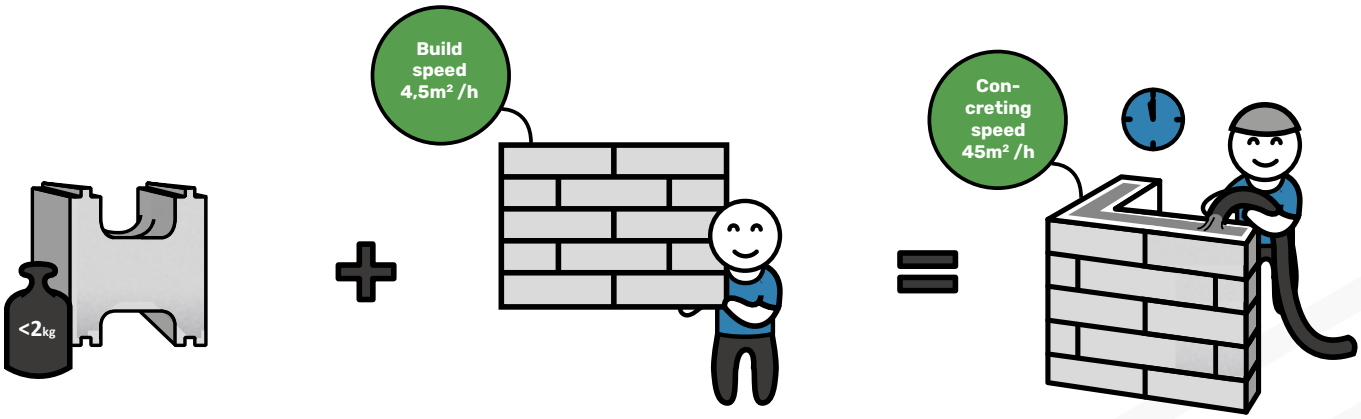
Such results can be achieved thanks to the use of the top quality elements that combine and join together to form a precisely fitted layer of thermal insulation of the building.

Ease and speed **of construction**

IZOClick®



You will complete construction to open shell in just a few weeks.



Construction with IZODOM technology is as much as three times faster than with traditional technology. The blocks are large and lightweight. The basic element is 2 m long and weighs only 1.5 kg.

You can build your dream house right up to the roof in just a few weeks. The simple way in which the blocks are connected allows for quick and easy construction, and this minimizes the risk of an increase in the price of construction materials. What's more, no additional insulation or wall thermal insulation is required.

The technology features IZOClick® system for joining the blocks without mortar, thus eliminating thermal bridges.

IZODOM

Real
savings



With IZODOM technology, we can save money and time.

Save money – IZODOM technology means huge savings on heating compared to traditional technology. A house built with IZODOM technology will save up to 80% on heating costs. With us, energy prices do not rise, you do not have to worry. about their increase. Our technology has the necessary tests and certificates to prove the thermal insulation characteristics.

Save time – you do not need to additionally insulate a house using IZODOM technology or use specialised heavy equipment. You do not have to worry about rising prices of construction materials and labour costs. The combination of lightweight, easy-to-handle and easy-to-machine blocks makes it a very fast construction system. It takes only 5 working days to build one storey of a house.

IZODOM

Any size
of building



With IZODOM technology, you will realize any home project, whether ready-made or customized.

By selecting the right types of **IZODOM technology elements**, type of concrete and reinforcement, it is possible to construct all kinds of buildings: energy-efficient single-family houses, multi-storey apartment blocks, public buildings such as schools, hotels or hospitals, industrial halls and even swimming pools. The technology is also ideal for buildings where it is important to maintain temperature stability, both low, and high. The IZODOM system comprises over 100 elements which can be joined as building blocks to form a specific, required size and shape of a house. Our tallest project is an 11-storey apartment block.

IZODOM

Extra
surface areaa



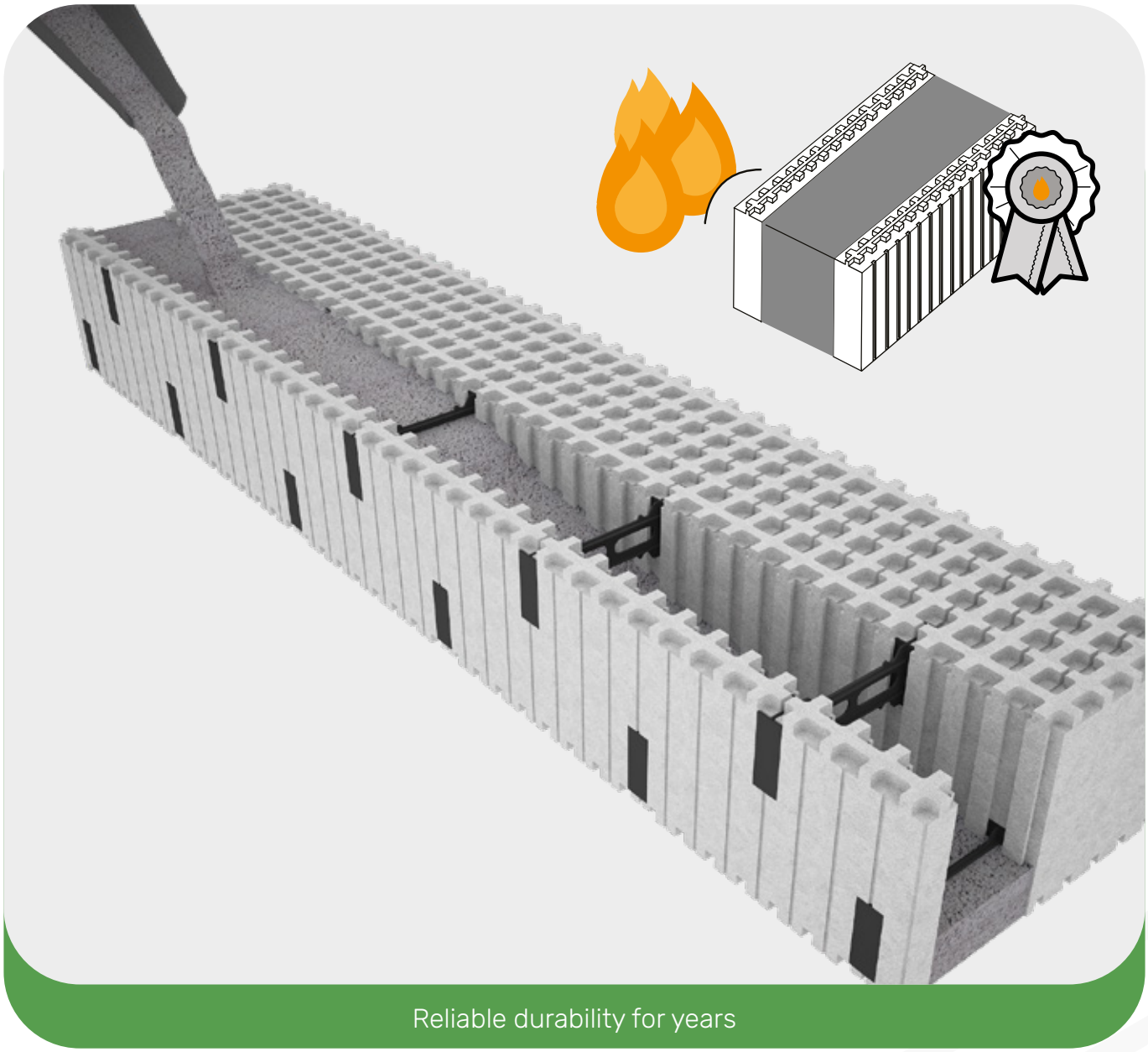
Get extra surface area!

Walls built with IZODOM technology are thinner than traditional walls which have the same insulation coefficient.

They do not require additional insulation layers, so you gain up to 7% of surface area compared to traditional technology with the same insulation parameters. For example, when building a 100 m^2 house, you will gain as much as 7 m^2 of additional space for a wardrobe or pantry. The energy-efficient wall erected in IZODOM technology is only 35 cm thick, which is 10-15 cm less than a traditional wall with the thermal transmittance of e.g. U = 0.15W/m^2K, which will be 45-50 cm thick.

IZODOM

Reliable **durability**



Reliable durability for years

With IZODOM construction technology, durable concrete structures can be erected on site, with the expected life span estimated at over 100 years. The use of suitable reinforcement, not only tall buildings can be constructed, but also structures can be erected in active seismic zones or in areas of mining damage. The formwork – the form in which the concrete is poured – is blocks made of hard EPS. Wall elements, as far as fire resistance is concerned, meet the conditions of class E, according to the EN 13501-1 standard. **IZODOM** offers special elements with a plastic batten with increased fire resistance, marked REI 120. They meet the highest EU standards allowing to erect for example schools, nurseries, hospitals and hotels. They meet the highest EU standards allowing to erect, for example, schools, nurseries, hospitals or hotels.

IZODOM

What about CO_2



Technological advantage over typical solutions

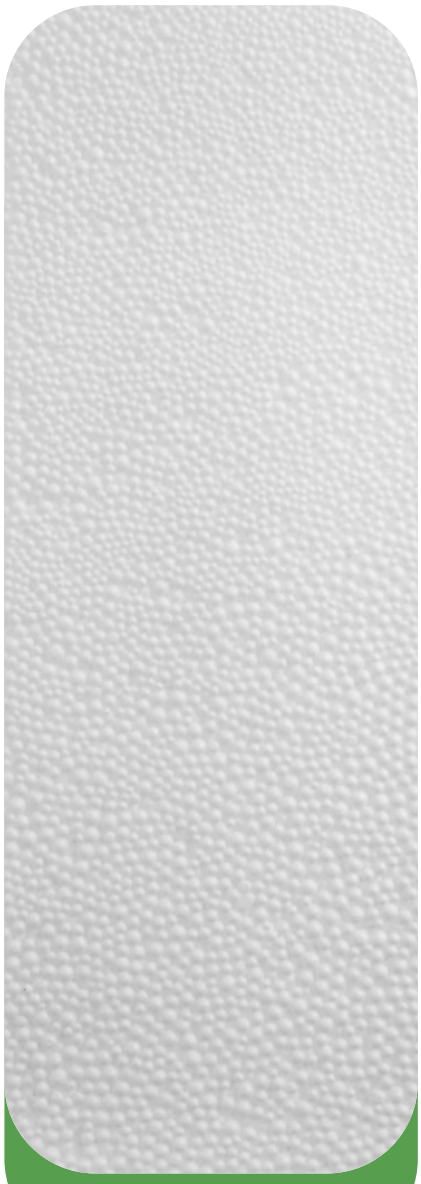
A study carried out by the Warsaw University of Technology in accordance with ISO 14040 showed lower CO2 emissions by more than 51% and a reduction in cumulative energy of more than 11%. Energy-efficient construction materials and heating system offset the negative impact on the environment.

An analysis carried out for two passive houses (**Life Cycle Analysis**), showed the advantage of a house built using IZODOM technology over a brick house insulated with mineral wool.

The technology has been recognised by, among others, by the Ministry of the Environment and the United Nations.

IZODOM

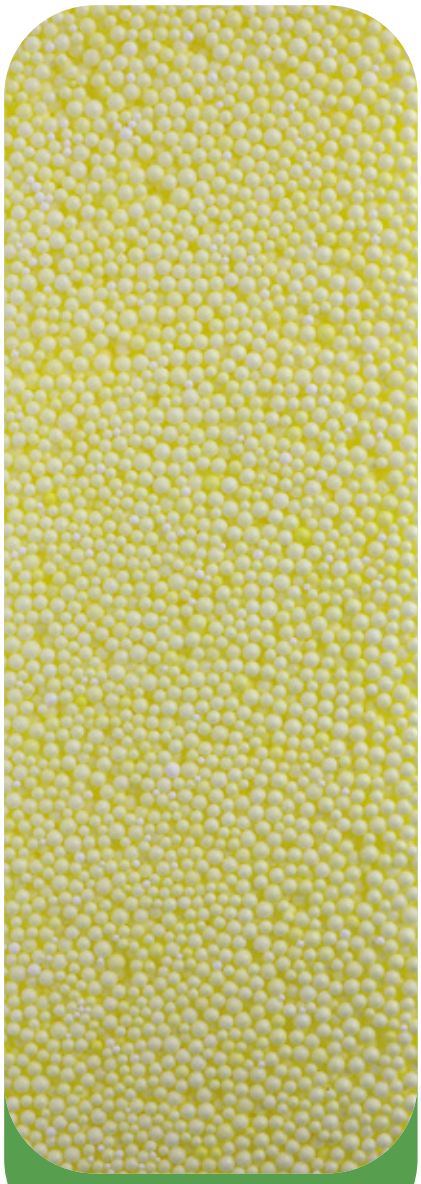
Our
raw materials



EPS



NEOPOR



PERIPOR

For many years, **IZODOM has been manufacturing elements and components using only the best raw materials** from the leading company in the industry.

Our raw material has been used several times by the Polish Mother's Memorial Hospital to produce anti-decubitus mattresses for premature babies. This is the best proof of the raw material safety and health-promoting properties. In addition, foamed polystyrene has no nutritional value for microorganisms and does not undergo rotting processes. We use three types of foamed polystyrene for the production of the foam elements such as EPS, NEOPOR with the addition of graphite, and Peripor for the ground slab.

IZODOM

Thermal bridges
and thermal comfort

IZOClick®



With the IZOClick® system, thermal bridges are eliminated.

Thermal bridges and thermal comfort **Comprehensive IZODOM solutions comprise more than 100 elements** that can be joined together to form a continuous thermal insulation layer, without thermal bridges – places of cold and moisture ingress to the house. The heat is locked inside the building.

Thermal bridges not only cause heat energy to escape. By cooling construction elements can cause condensation and moisture to form in the construction materials. The complete technology (ground slab, wall elements, ceiling and roof slab) meets the requirements of passive buildings. As a result, the house will maintain ideal thermal comfort. It will be pleasantly cool in the summer and warm in winter.

There is no need to use extra mortar, clamps or fasteners, so you build faster and your investment costs are lower.

IZODOM

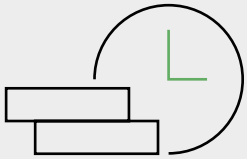
Why build a house
using IZODOM technology?



Build savings, heat cheaper!

With us, energy prices don't rise, your wallet becomes thicker instead.

The cost of maintaining your house when you retire will be lower. IZODOM technology means better thermal insulation and no thermal bridges, so you save up to 80% on heating over the years.



Build your dream house 3 times faster

You can build your dream house in just a few weeks without the need for mortar and additional insulation.

Minimize the risk of material price increases with shorter construction times.



Environmentally friendly houses

Houses erected with IZODOM technology are environmentally friendly and good for your health thanks to the optimum thermal comfort.

The perfect place for your family to live in! Passive houses comply with the latest European Union standards, and you can be sure that your house will retain its value for years to come.

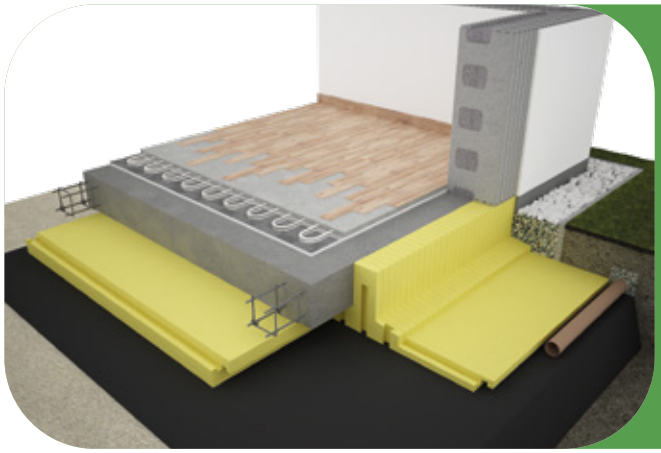


Robust foundations for future generations

The robust concrete structure and durable joints of the insulating elements guarantee great condition for years to come. Houses erected with IZODOM technology are environmentally friendly and good for your health thanks to the optimum thermal comfort.

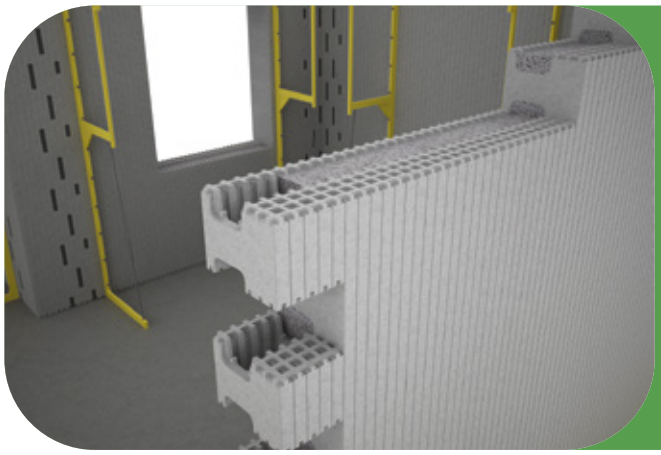
Take care of your carbon footprint for future generations with us.

IZODOM



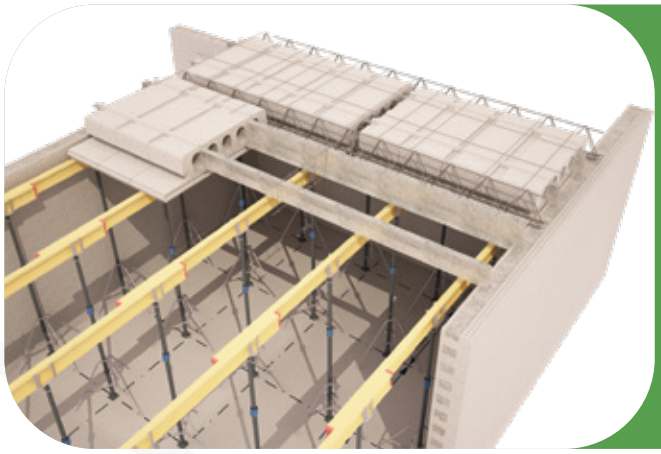
GROUND SLAB

The IZOSlab elements are factory-cut to an individual design. They are lightweight and easy to join with specially designed locks, which significantly speeds up construction works and ensures insulation continuity. On the construction site 25 cm of concrete is poured into the formwork elements. As a result, the foundation is already ready even in 3 days.



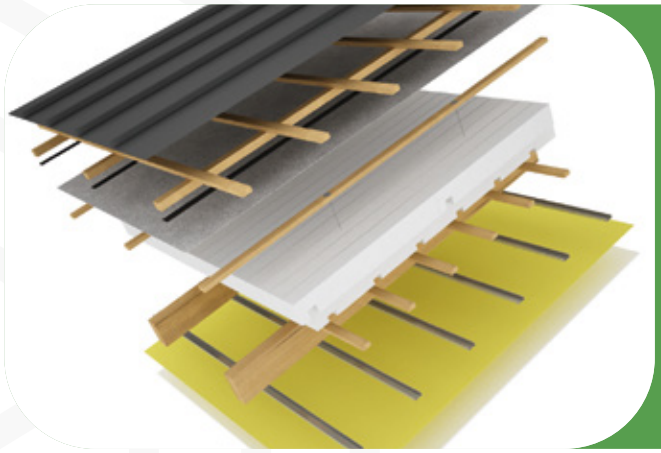
WALL ELEMENTS

IZODOM technology consists of more than 100 elements that can be combined and joined in any way you like. We are the only company in Europe to have complementary products like ready-made corners, headers, ceiling supports or plugs for concrete. They all have space to be filled with concrete. This avoids thermal bridges and makes the construction process quick and easy.



CEILING

IZOCeiling is a very lightweight solution, up to three times lighter than monolithic concrete floors. It is ideally suited not only to new builds, but also for retrofitting and modernisation of older buildings. Beam and block floors and ceilings are lightweight and easy to lay. They combine perfectly with the wall elements to ensure insulation continuity.

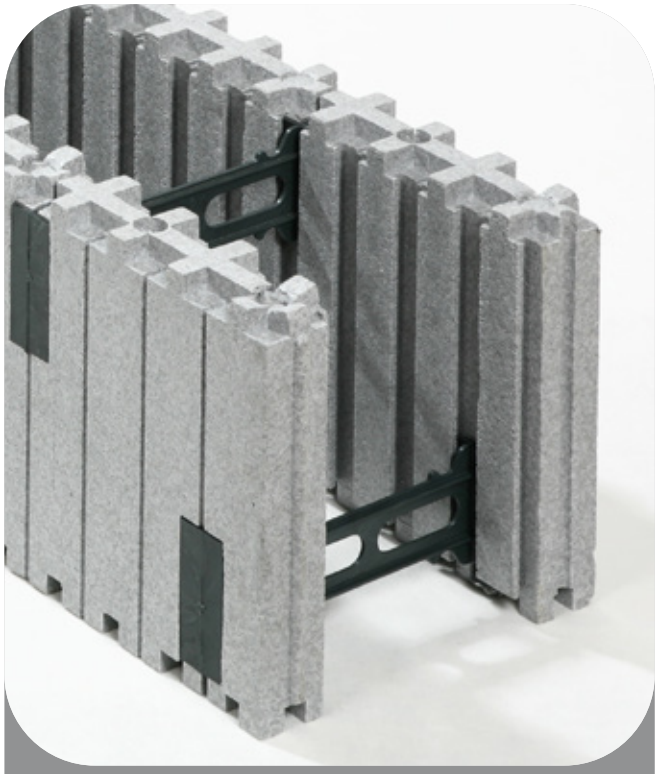


ROOF SLAB

IZORoof slab crowns the complete IZODOM technology. It is a solution that consists of large-format panels made of EPS laid on a traditional roof structure. The advantages of our roof slab are simple and quick installation, and the guarantee of a tight roof covering thanks to the use of hook locks.

IZODOM

Systems
tailored to your needs



IZOBasic

outbuildings or garages

GROUND SLAB

-

WALLS

IZOBasic 25 cm

White EPS	NEOPOR
U=0,29 W/m²K*	U=0,28 W/m²K*

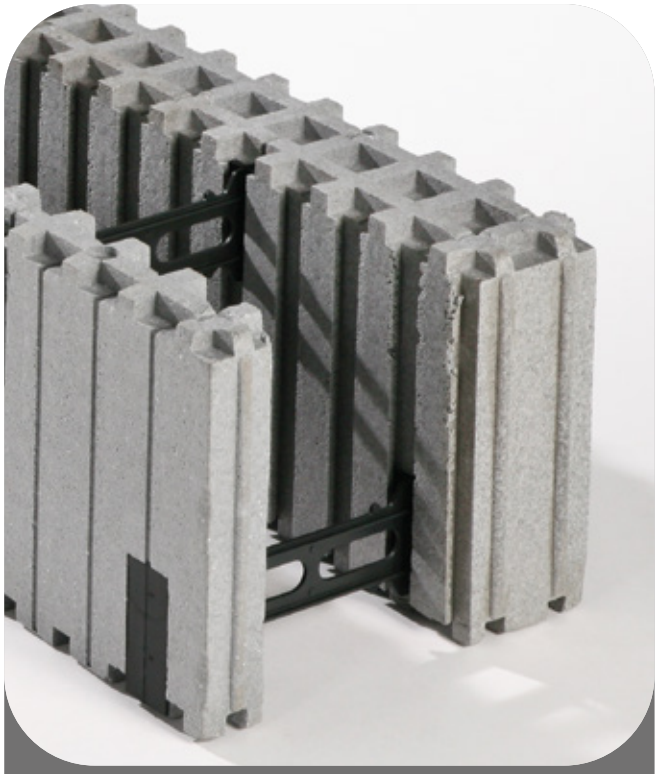
CEILING

-

ROOF SLAB

-

* thermal transmittance



IZOStandard

houses compliant with standard WT 2021

GROUND SLAB

-

WALLS

IZOStandard 30 cm

White EPS	NEOPOR
U=0,20 W/m²K*	U=0,19 W/m²K*

CEILING

-

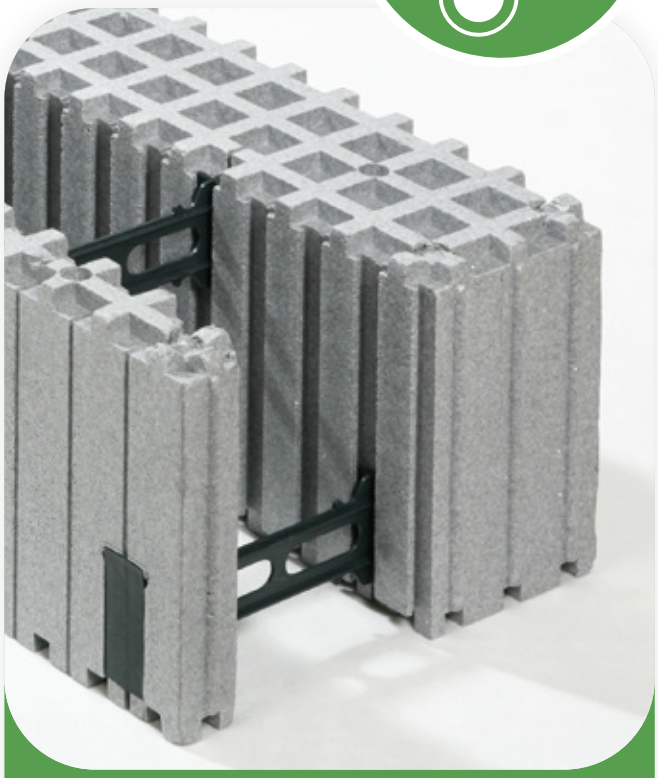
ROOF SLAB

-

* thermal transmittance

IZODOM

Up to 50% less for heating



IZOEnergy

energy-efficient houses

GROUND SLAB

IZOSlab 15 cm	U=0,14 W/m²K*

WALLS

IZOEnergy 35 cm

White EPS U=0,15 W/m²K*	NEOPOR U=0,14 W/m²K*

CEILING

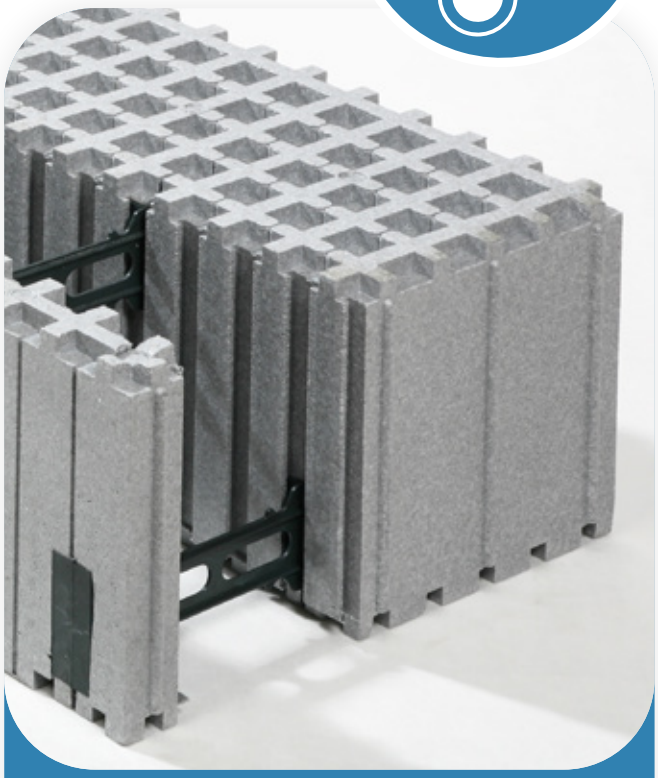
-

ROOF SLAB

-

* thermal transmittance

Up to 80% less for heating



IZOPassive

passive houses

GROUND SLAB

IZOSlab 25 cm	U=0,10 W/m²K*

WALLS

IZOPassive 45 cm

White EPS U=0,11 W/m²K*	NEOPOR U=0,10 W/m²K*

CEILING

IZOCeiling	U=0,26 W/m²K*

ROOF SLAB

IZORoof	U=0,15 W/m²K*

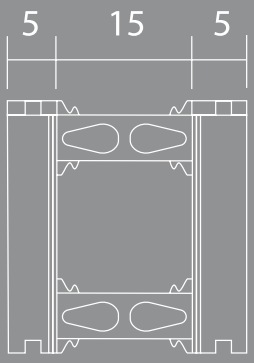
* thermal transmittance

IZODOM

IZOBasic

Outbuildings
or garages.

Walls elements
EPS U=0,29 W/m²K
Neopor U=0,28 W/m²K



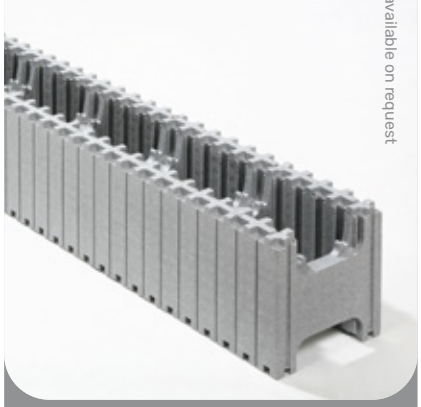
WALLS ELEMENTS
MCFU 2/25



Basic element
Plastic ties
200x25x25 cm

WALLS ELEMENTS
MC 2/25

Element available on request



Basic element
Polystyrene ties
200x25x25 cm

WALLS ELEMENTS
MH 1/25



Height adapter
100x5x25 cm

WALLS ELEMENTS
ML 1/25



Header element
100x25x25 cm

WALLS ELEMENTS
MLA 1,2/25

Element available on request



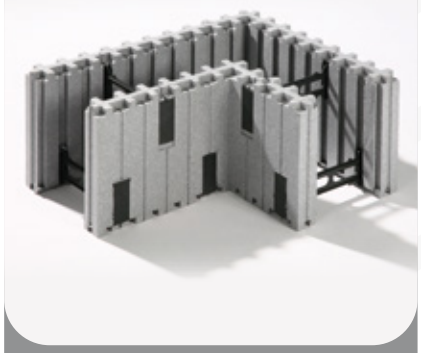
Door header element
120x25x25 cm

WALLS ELEMENTS
MP 1/25



Ceiling support element
100x25x25 cm

WALLS ELEMENTS
MCFU 25 E90 LA/RI



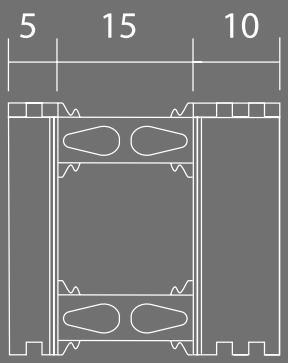
90° corner
100(60)x25x25 cm
left outer / right inner.

IZODOM

IZOStandard

WT 2021 compliant house

Walls elements
EPS U=0,20 W/m²K
Neopor U=0,19 W/m²K



WALLS ELEMENTS
MCFU 2/30



Basic element
Plastic ties
200x25x30 cm

WALLS ELEMENTS
MC 2/30

Element available on request



Basic element
Polystyrene ties
200x25x30

WALLS ELEMENTS
MH 1/30



Height adapter
100x5x30 cm

WALLS ELEMENTS
ML 1/30



Header element
100x25x30 cm

WALLS ELEMENTS
MLA 1,2/30

Element available on request



Door header element
120x25x30 cm

WALLS ELEMENTS
MP 1/30



Ceiling support element
100x25x30 cm

WALLS ELEMENTS
MCFU30 E90 LA



90° corner
*available in right and left and external and internal

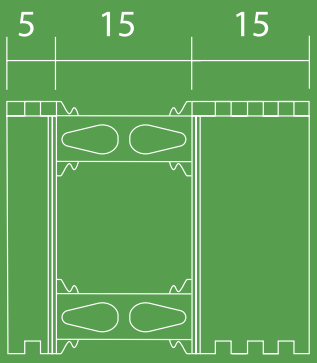
IZODOM

IZOEnergy

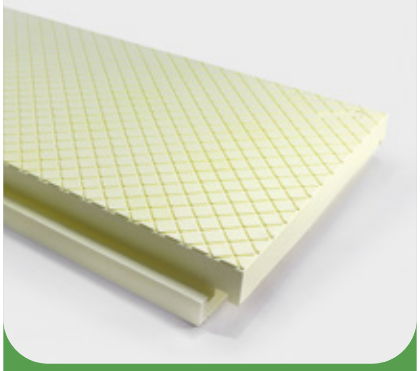
Energy-efficient houses

Ground slab IZOSlab
Peripor U=0,14 W/m²K

Walls elements
EPS U=0,15 W/m²K
Neopor U=0,14 W/m²K

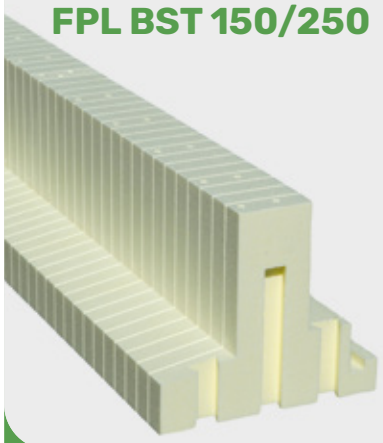


GROUND SLAB
FPL 150



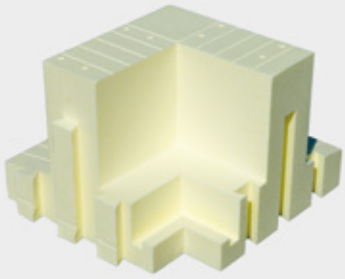
Ground slab
195x95x15 cm

GROUND SLAB
FPL BST 150/250



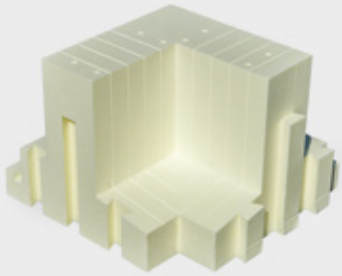
Ground slab kerb
195x45x30 cm

GROUND SLAB
FPL EA 150/250



Ground slab external corner
55x55x30 cm

GROUND SLAB
FPL EI 150/250



Ground slab internal corner
55x55x30 cm

WALLS ELEMENTS
MCFU 2/35



Basic element
Plastic ties
200x25x35

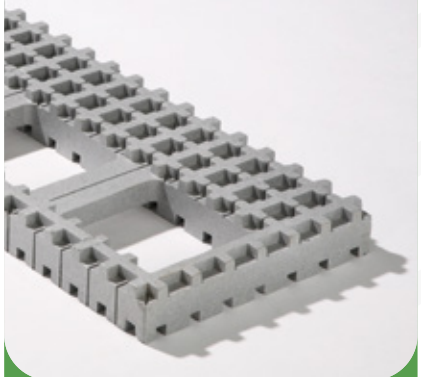
WALLS ELEMENTS
MC 2/35

Element available on request



Basic element
Polystyrene ties
200x25x35

WALLS ELEMENTS
MH 1/35



Height adapter
100x5x35 cm

IZODOM

WALLS ELEMENTS
ML 1/35



Header element
100x25x35 cm

WALLS ELEMENTS
MLA 1,2/35

Element available on request



Door header element
120x25x35 cm

WALLS ELEMENTS
MP 1/35



Ceiling support element
100x25x35 cm

WALLS ELEMENTS
MCFU35 E90 LA



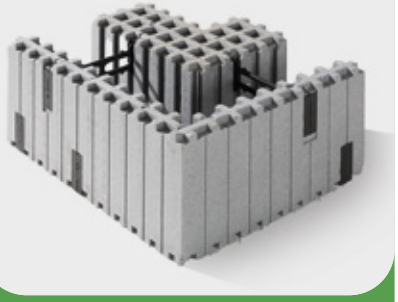
90° external corner left
120x25x35 cm

WALLS ELEMENTS
MCFU35 E90 RA



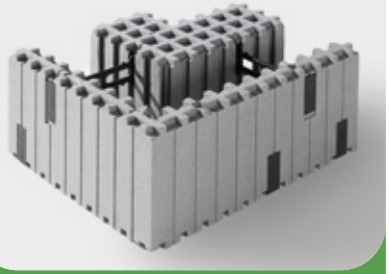
90° external corner, right
120x25x35 cm

WALLS ELEMENTS
MCFU35 E90 LI



90° corner, internal, left
30x25x35 cm

WALLS ELEMENTS
MCFU35 E90 RI



90° corner, internal, right
30x25x35 cm

Get a free home construction quote



www.izodom.com

IZODOM

IZOPassive

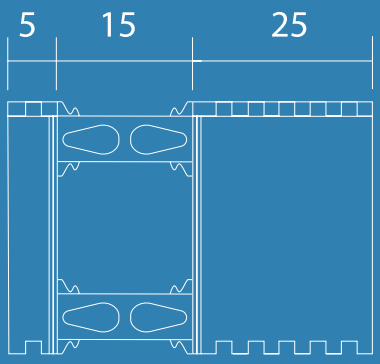
Passive houses

Ground slab IZOSlab
Peripor U=0,10 W/m²K

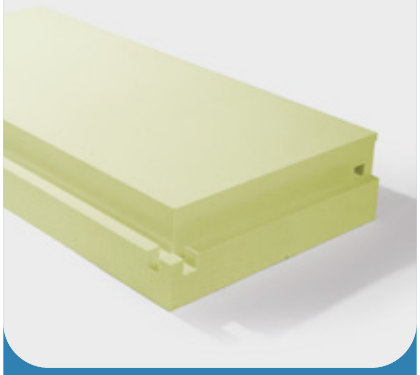
Walls elements
EPS U=0,11 W/m²K
Neopor U=0,10 W/m²K

Ceiling IZOCeiling
EPS U=0,26 W/m²K

Roof slab IZORoof
EPS U=0,15 W/m²K

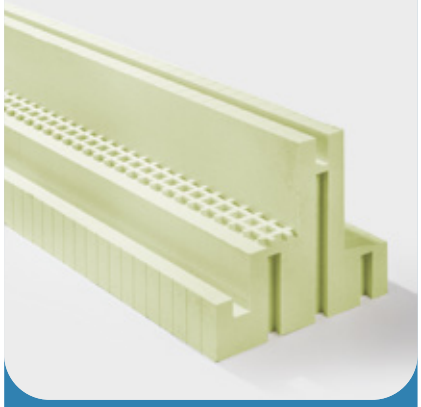


GROUND SLAB
FPL 250



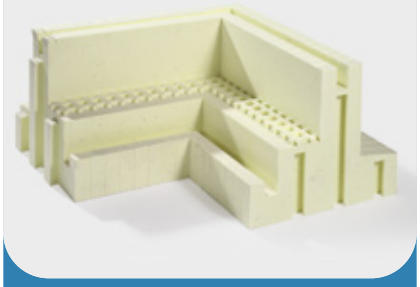
Ground slab
190x90x25 cm

GROUND SLAB
FPL BST 250



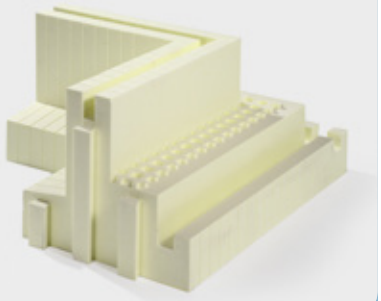
Ground slab kerb
195x55x50 cm

GROUND SLAB
FPL EA 250



Ground slab external corner
95x95x50cm

GROUND SLAB
FPL EI



Ground slab internal corner
95x95x50 cm

WALLS ELEMENTS
MCFU 2/45



Basic element
Plastic ties
200x25x45

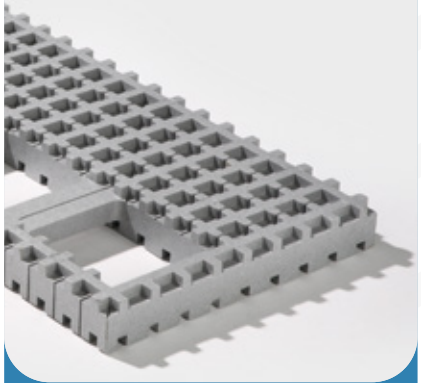
WALLS ELEMENTS
MC 2/45

Element available on request



Basic element
Polystyrene ties
200x25x45

WALLS ELEMENTS
MH 1/45



Height adapter
100x5x45 cm

IZODOM

WALLS ELEMENTS

ML 1/45



Header element
100x25x45 cm

WALLS ELEMENTS

MLA 1,2/45

Element available on request



Door header element
120x25x45 cm

WALLS ELEMENTS

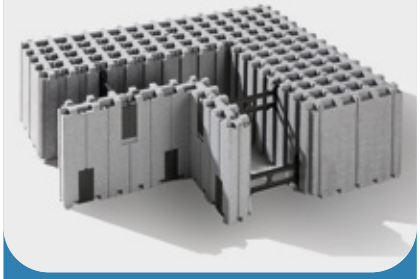
MP 1/45



Ceiling support element
100x25x45 cm

WALLS ELEMENTS

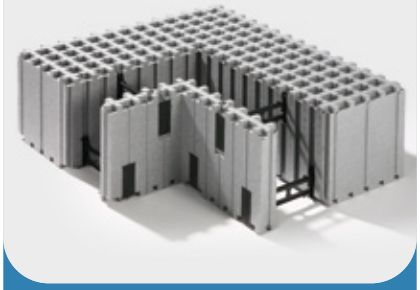
MCFU45 E90 LA



90° external corner left
140x25x45 cm

WALLS ELEMENTS

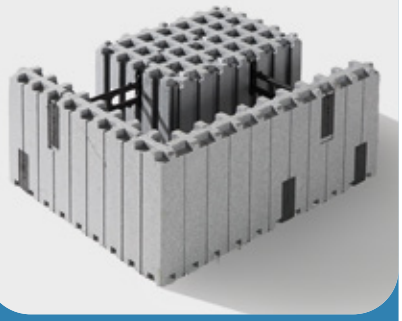
MCFU45 E90 RA



90° external corner right
140x25x45 cm

WALLS ELEMENTS

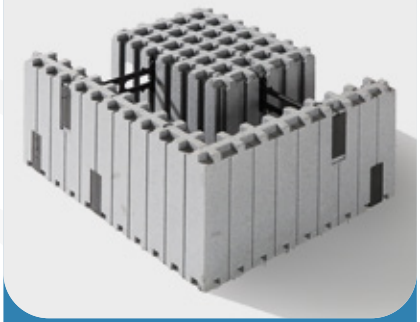
MCFU45 E90 LI



90° corner, internal, left
35x25x45 cm

WALLS ELEMENTS

MCFU45 E90 RI



90° corner, internal, right
35x25x45 cm

IZOCEILNIG

CEILING STP-M



Modified ceiling
*prepared for the desired span

IZOROOF

IZOROOF ROOF DPL GLT



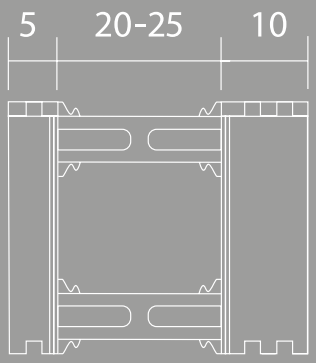
Above-rafter insulating panel, plain
190x22x90 cm

IZODOM

IZOPlus

The IZODOM range includes elements with a 20 and 25 cm core.

Available raw material:
EPS or Neopor.



BASIC ELEMENT
MCFU 2/30 +



Plastic ties
200x25x30 cm, core 20 cm

BASIC ELEMENT
MCFU 2/35 +



Plastic ties
200x25x35 cm, core 20 cm.

BASIC ELEMENT
MCFU 2/40 +



Plastic ties
200x25x40 cm, core 20 cm.

BASIC ELEMENT
MCFU 2/50 +



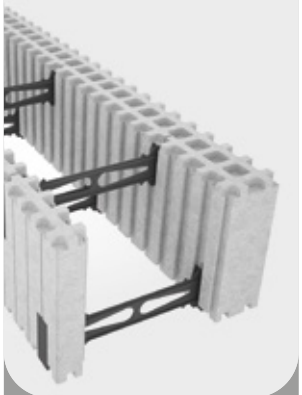
Plastic ties
200x25x50 cm, core 20 cm.

BASIC ELEMENT
MCFU 2/35 ++



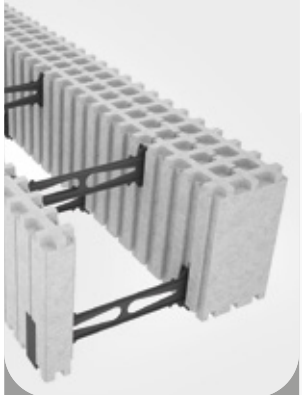
Plastic ties
200x25x35 cm,
core 25 cm

BASIC ELEMENT
MCFU 2/40 ++



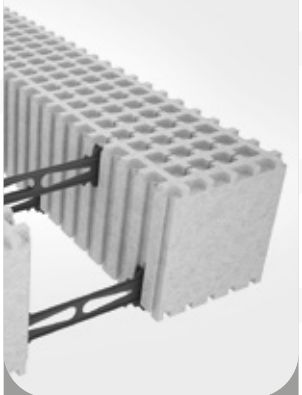
Plastic ties
200x25x40 cm,
core 25 cm

BASIC ELEMENT
MCFU 2/45++



Plastic ties
200x25x45 cm,
core 25 cm

BASIC ELEMENT
MCFU 2/55++



Plastic ties
200x25x55 cm,
core 25 cm

IZODOM

Additional element

Available raw material:
EPS or Neopor.

ADDITIONAL ELEMENTS
OC



Insert element
15x25x5 cm

ADDITIONAL ELEMENTS
OC BIS



Insert element, double
15x25x10 cm

ADDITIONAL ELEMENTS
OH



Top plug
15x10x5 cm

ADDITIONAL ELEMENTS
OB



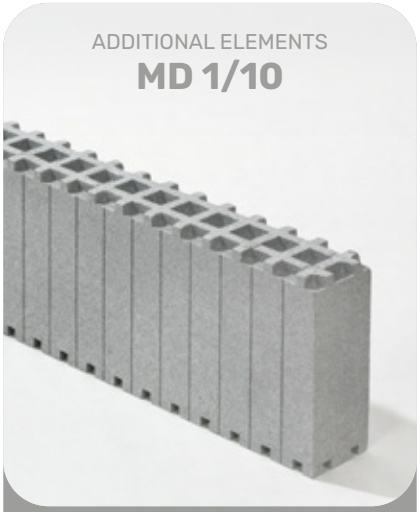
Bottom plug
15x8x5 cm

ADDITIONAL ELEMENTS
OC 0,2/2



Insert element,
double, core 20 cm
20x25x10 cm

ADDITIONAL ELEMENTS
MD 1/10



Complementary element
100x25x10 cm

ADDITIONAL ELEMENTS
MCB 1/25



Swimming pool construction element
100x25x25 cm

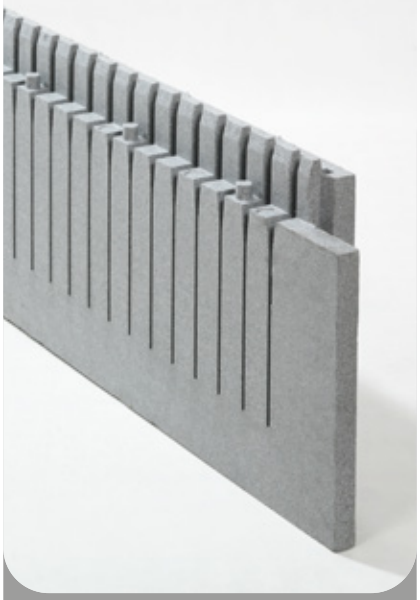
IZODOM

IZOBeta

Facade panels

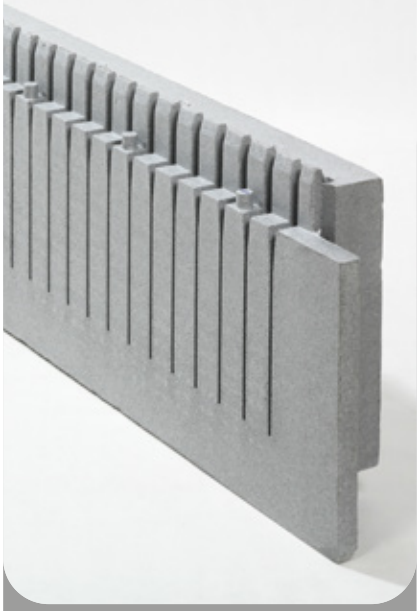
Vented facade panel IZOBeta is a product designed for thermal renovation of existing buildings. Thanks to the use of innovative solutions developed by IZODOM, with vented panels, two effects will be achieved, such as the thermal insulation of existing buildings and the continuous drying of the thermally insulated wall.

FACADE PANELS
PLB NEO 80



Vented facade panel IZOBeta
150x37x8 cm

FACADE PANELS
PLB NEO 120



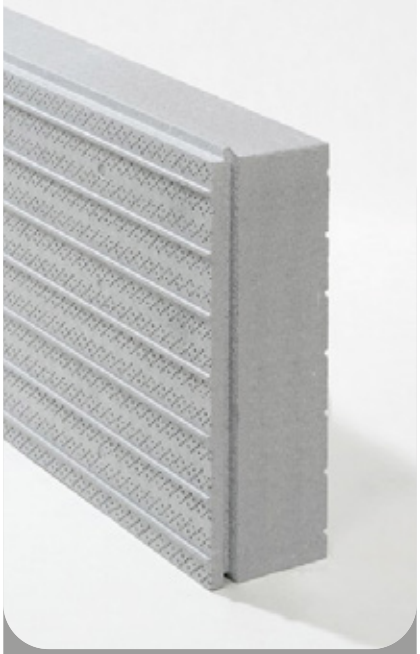
Vented facade panel IZOBeta
150x37x12 cm

IZOAlfa

Facade panels

IZOAlfa facade panels allow for a permanent, durable and tight thermal renovation of old buildings. They feature a special grout adapted for finishing the facade with clinker tiles.

FACADE PANELS
PL NEO 120 K



Facade panels IZOAlfa 56,7x100x12 cm
*also available in the following thicknesses: 6,8 and 10 cm

FACADE PANELS
PL NEO 120 L



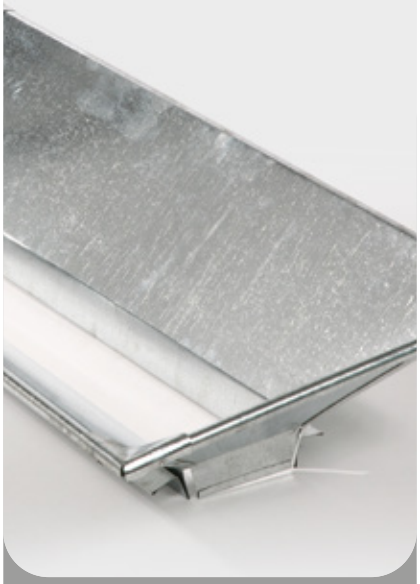
Facade panels IZOAlfa 64,8x100x12 cm
*also available in the following thicknesses: 6,8 and 10 cm

IZODOM

Essential accessories

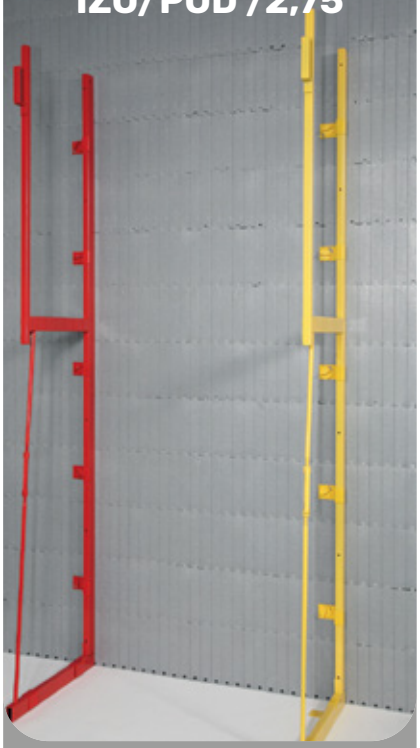
IZODOM offers the purchase or rental of essential accessories needed for the construction site

ESSENTIAL ACCESSORIES
IZO LEJ



Concrete funnel

ESSENTIAL ACCESSORIES
IZO/POD /2,75



Steel support.
Available height options: 275 cm

ESSENTIAL ACCESSORIES
IZO FISCHER



Screw for fixing supports

ESSENTIAL ACCESSORIES
IZO OB



Steel, clamp
for fastening supports

ESSENTIAL ACCESSORIES
IZO FID



EPS mounting screws

IZODOM

Construction
instructions

Construction with IZODOM technology resembles that of building blocks. Formwork for the ground slab and walls is laid. They are then concreted to the height of the storey. Once the concrete has set, the formwork elements are not removed, but remain and take over the role of thermal insulation. Construction is thus quick and simple. **IZODOM** is the only complete technology from the foundation to the roof. Learn about the construction instructions and tips regarding the individual elements.

IZODOM FOUNDATION SLABS



Laying IZODOM foundation slabs

Construction of foundations with a complete technology is a very simple process that saves valuable time. The company offers a complete set of elements. Learn about the main construction steps

www.**izodom.com**

IZODOM WALL



IZODOM wall construction

IZODOM wall elements make it possible to build external and internal walls and partition walls without mortar or additional insulation. They are available in three systems i.e. IZOStandard, IZOEnergy and IZOPassive.

www.**izodom.com**

IZODOM

IZOCEILING

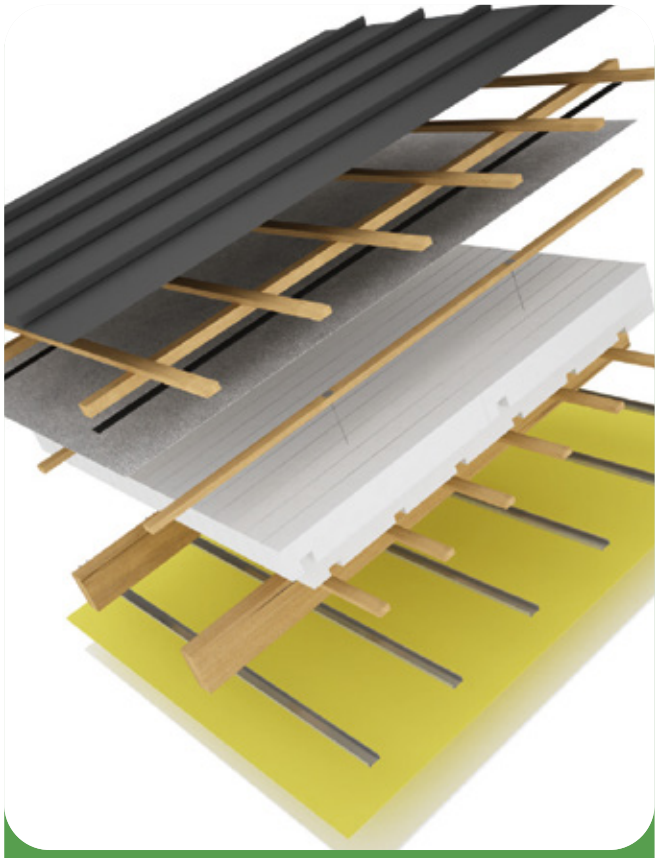


Laying IZODOM ceiling

IZOCeiling is a very lightweight solution, up to three times lighter than monolithic concrete floors.

www.**izodom.com**

IZODOM ROOF



Laying Izodom roof slab

IZORoof elements are manufactured from hard EPS and come in the form of smooth panels laid on the roof structure, thus covering the entire roof slope.

www.**izodom.com**



Free training **courses**

IZODOM company offers free training on technology and construction principles at the company's headquarters in Zdunska Wola. There is also possibility of instruction directly On the construction site. Learn more.

IZODOM

IZOHouse house
construction service



We will build you the house of your dreams.

IZOHouse is a comprehensive service for the construction of energy-efficient and passive buildings. By choosing IZOHouse, you will benefit from the expertise and experience of an authorised IZODOM contractor, so your house will be constructed according to the guidelines in our technology.

Use our database of authorised contractors in your region.

Get a free house construction quote



www.**izodom.com**

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+48 43 823 23 68
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izodom@izodom.com
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