

1911



®

MLADOST

THE CROWN OF EVERY HOUSE

ABOUT THE COMPANY

Tradition as Inspiration

Production of construction material by clay nearby Leskovac in southern Serbia is as old as the presence of human settlement in that area. The abundance of quality raw material was used even by builders of ancient empires, what is testified by many historic artefacts in the area of southern Serbia. In the year 1911 in Leskovac the ceramics tile factory is established, so the foundation of modern clay production is settled. The tiles what are produced at the beginning of the last century, with incused mark of an elephant and its recognizable red color even now adorn the roofs of Leskovac, Nis, Vranje, Skoplje and many other cities in whole region.

By the end of the Second World War there were certain changes in property and organization, so the factory becomes the social property – “The industrial company of tiles and blocks Pobeda”, which products will be familiar all over old Yugoslavia.

Company “MLADOST”

In a period 2003-2007 the business system “Monicom” from Nis takes three factories for producing the construction clay material” DP “Mladost” from Leskovac, IGM “Rad” from Vlasotince and “7. July” from Mala Plana near Prokuplje.

The new era in factory developing begins with this. There are extensive and comprehensive investments in all ranges of business – modernization of equipment and technology, building new facilities, modernization of production assortment, organization and engaging the young, educated and ambitious people, investing in marketing and making the brand “MLADOST”. As an effect of comprehensive investment in all the three factories of “Mladost”, the capacity is multiple increased and the quality and production assortment is significantly promoted. On that way the company “Mladost”, for the period of only ten years, has been growing from single factories of a local importance to one of the largest regional producers of tiles and construction blocks.

Now “MLADOST” is modern and contemporary company and the name of famous brand – the synonym for quality and reliable ceramic tiles and construction blocks and inner-floor constructions, which found the way to the largest number of satisfied consumers. The products of “Mladost” are among the most wanted, as on the market of Serbia and Kosovo, so on the international markets of Bulgaria, Macedonia, Romania, Albania...



CERAMIC TILES

The advantages relative to other roof tops

- 100% of natural material in which production the pure clay, water, air and flame are used. Therefore these roof tops are ecological and the production doesn't harm the environment and the products are recycled after using without any harming of environment.
- The oldest roof top what is used a few hundred years BC.
- The most wanted and the most widespread roof top material.
- They provide the optimum microclimate of habituating in objects – the natural material and the production design.
- They provide the natural diffusion of moisture and the ventilation of objects.
- Stability of colors and the resistance of influence of the outer environment (UV radiation, acid and alkaloid influences, low and high temperatures – fire resistance, excellent mechanical capacity – the pressure of snow and ice).

The tiles “MLADOST”

In the production of tiles there is the composite of two clays. Starting from the positive performance of clay and by mutual addition there was an ideal relation, what results with high quality products. The basic characteristics of clay without the presence of limestone and harmful salts, sand and other unwanted materials, with high presence of oxide of iron and titanium, give unique COMPARATIVE ADVANTAGE OF THE TILE “MLADOST”:

- PERMANENT RED COLOR – the resistance of forming the deposit during exploitation in a long time period.
- NO PRESENCE OF LIMESTONE – it provides the impossibility of cracking the made product in a contact with moisture and therefore the leakage of moisture into the roof and the object itself.
- SLIDING INSTALLATION – The design of the tile “Mladost” makes it usable, as for the covering of new objects, as for the remount of the old roofs, because the tile adjusts to the space of laths on the existing roof construction.
- High bending firmness and the resistance on frost.
- COMPLETE ROOF SYSTEM – in a goal of settling the complete functionality of roofs, there are ceramic special elements (basic gutter, beginning gutter, three-way gutter, ventilation tiles, snow defender tiles, ending left and right elements), as the non-ceramic roof material – the roof foil “Mladost”, the foil for the dry implementation of gutters, fixators for gutters and the rest.
- All products of “Mladost” are tested and possess the certificates of domestic and EU institutes, as the CE mark. The examination of tiles is done according to standard SRPS EN 539-2:2004.
- The warranty period is 33 years.

ENGOBED TILES

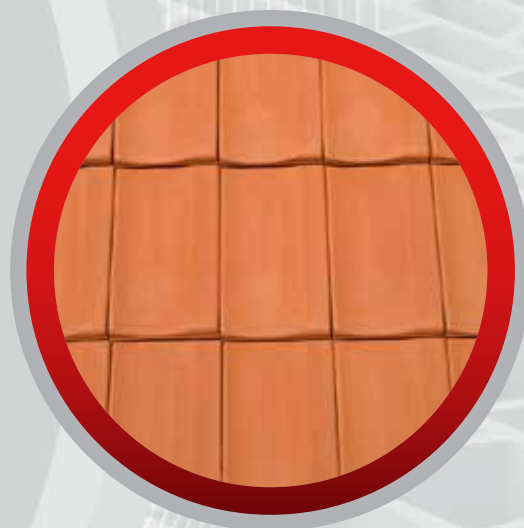
Following the demands and modern marketing trends, the company “Mladost” after the installation of modern equipment modernized the assortment by implementing the engobed tiles. Engobe is the composite of clay, made of different natural elements what on high temperature, during the baking, gets certain color.

In a process of tile production, after the phase of pressing and drying of pressed tile, the layer of engobe of the high quality of renowned producers is inflicted, afterwards the products is put on the high temperature in the baking phase. Absolute incorporating of engobe with the product happens in furnace then, so durability of the product color during the use is achieved.





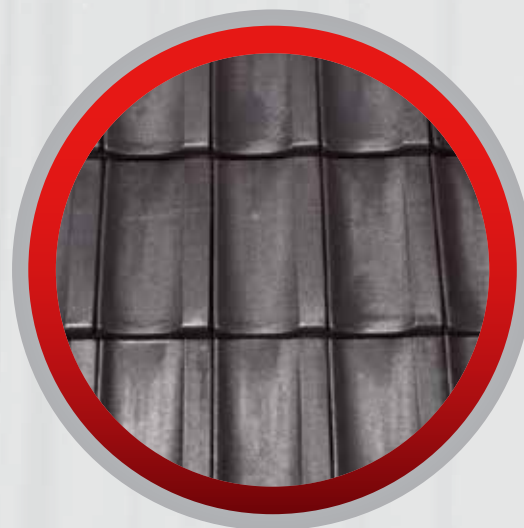
NATUR



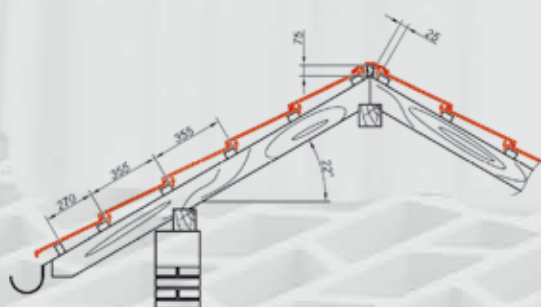
BROWN ENGOBE



BLACK ENGOBE

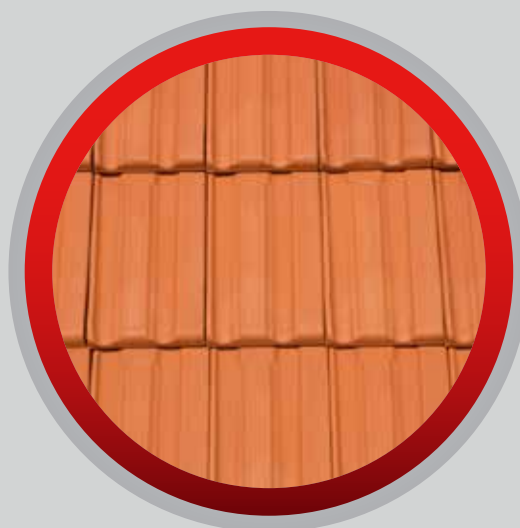


Mass (kg)	3.07
Length (mm)	415
Wideness (mm)	260
Covering length (cm)	$36 \pm 2\%$
Covering wideness (cm)	$22 \pm 2\%$
Consumption by m ²	$12.5 \pm 2\%$
Space between the slats (cm)	35.50
Bending toughness (kN)	2.08
Minimal roof angle, degrees	22°
Pieces on the pallet / mass of pallet (pcs/kg)	320/ 1050

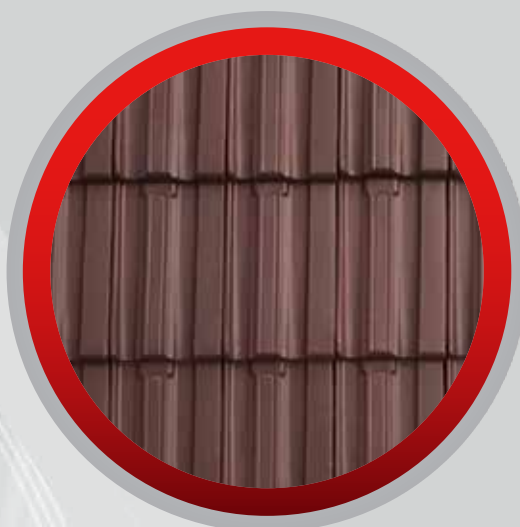




NATUR



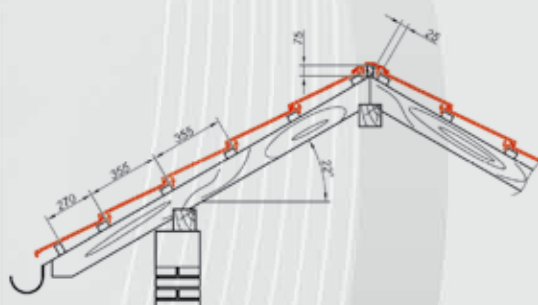
BROWN ENGOBE



BLACK ENGOBE



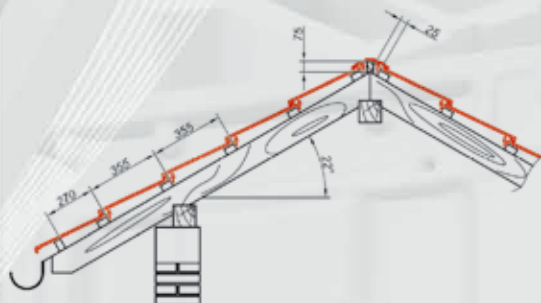
Mass (kg)	3.07
Length (mm)	415
Wideness (mm)	260
Covering length (cm)	$36 \pm 2\%$
Covering wideness (cm)	$22 \pm 2\%$
Consumption by m ²	$12.5 \pm 2\%$
Space between the slats (cm)	35.50
Bending toughness (kN)	2.01
Minimal roof angle, degrees	22°
Pieces on the pallet / mass of pallet (pcs/kg)	320/ 1050



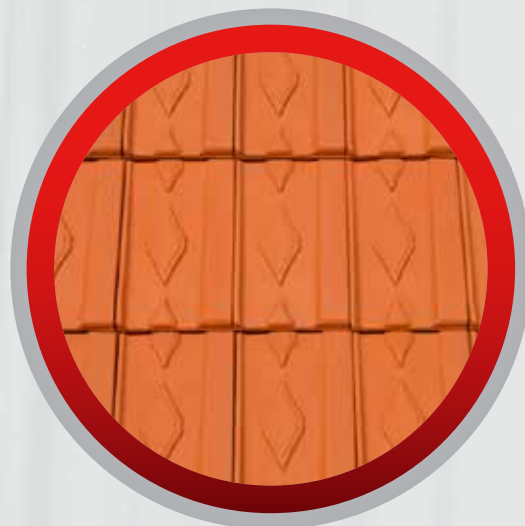
MAESTRAL LUX NATUR



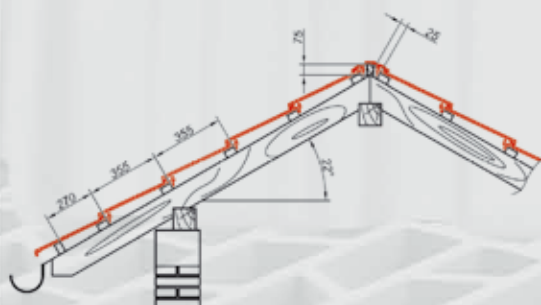
Mass (kg)	3.40
Length (mm)	415
Wideness (mm)	260
Covering length (cm)	$36 \pm 2\%$
Covering wideness (cm)	$22 \pm 2\%$
Consumption by m ²	$12.5 \pm 2\%$
Space between the slats (cm)	35.50
Bending toughness (kN)	3.90
Minimal roof angle, degrees	22°
Pieces on the pallet / mass of pallet (pcs/kg)	320/ 1108



ORNAMENT LUX NATUR



Mass (kg)	3.10
Length (mm)	415
Wideness (mm)	260
Covering length (cm)	$36 \pm 2\%$
Covering wideness (cm)	$22 \pm 2\%$
Consumption by m ²	$12.5 \pm 2\%$
Space between the slats (cm)	35.50
Bending toughness (kN)	2.03
Minimal roof angle, degrees	22°
Pieces on the pallet / mass of pallet (pcs/kg)	320/ 1015



SPECIAL ELEMENTS

GUTTER



Mass (kg)	2.55
Length (mm)	390
Wideness (mm)	190
Consumption by m ²	3
Pieces on the pallet / mass of pallet (pcs/kg)	32/ 850



ENDING GUTTER



Mass (kg)	2.35
Length (mm)	390
Wideness (mm)	190
Pieces on the pallet / mass of pallet (pcs/kg)	100/ 255



THREE-WAY GUTTER



Mass (kg)	1.65
Length (mm)	305
Wideness (mm)	275
Pieces on the pallet / mass of pallet (pcs/kg)	99/ 185



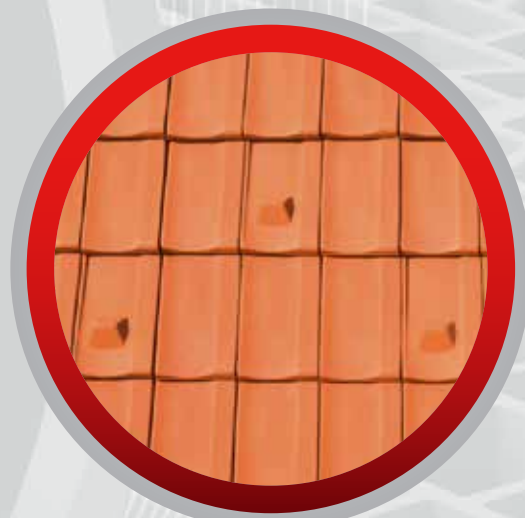
SPECIAL ELEMENTS

SNOW PROTECTING TILE



Mass (kg)	3.26
Length (mm)	415
Wideness (mm)	260
Covering length (cm)	36
Covering wideness (cm)	22
Space between the slats (cm)	35.50
Minimal roof angle, degrees	22°
Pieces on the pallet / mass of pallet (pcs/kg)	168/ 570

Using: preventing of non controlled snow sliding from the roof top. The amount and arrangement are dependable from the roof top and climate area.



VENTILATION TILE



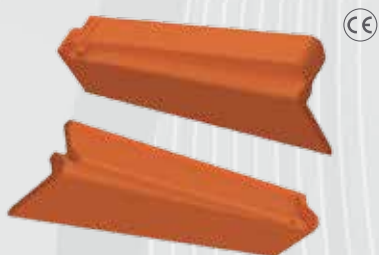
Mass (kg)	3.24
Length (mm)	415
Wideness (mm)	260
Covering length (cm)	36
Covering wideness (cm)	22
Space between the slats (cm)	35.50
Minimal roof angle, degrees	22°
Pieces on the pallet / mass of pallet (pcs/kg)	168/ 565

Using: for efficient ventilation of the roof whereby the possibility of condensation and moisture collecting is eliminated.



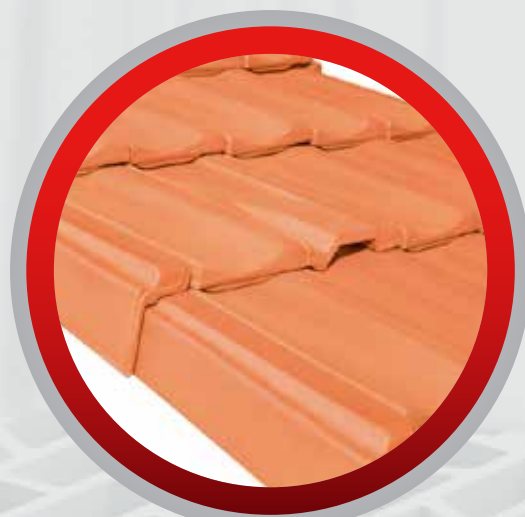
ENDING ELEMENT LEFT

Mass (kg)	2.00
Length (mm)	415
Pieces on the pallet / mass of pallet (pcs/kg)	182/ 385



ENDING ELEMENT RIGHT

Mass (kg)	1.80
Length (mm)	415
Pieces on the pallet / mass of pallet (pcs/kg)	182/ 350



NON-CERAMIC ROOF EQUIPMENT ROOFING MEMBRANE “MLADOST”

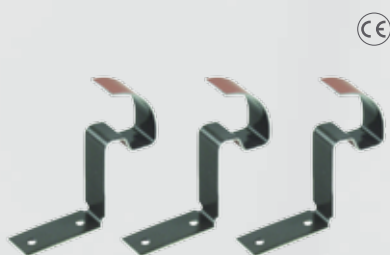


FOIL FOR DRY INSTALLATION OF THE GUTTER



- For dry installation of the gutter without mortar;
- Allows ventilation of the roof;
- Visual acceptable solution considering mortaring the gutter, since the color of the roof is not distorted;
- Simple and quick installation;
- Long term solution considering the traditional mortaring of the gutters;

FIXATORS FOR THE GUTTER



CERAMIC BLOCKS FOR WALLING

Considering other materials for walling, the blocks have an amount of advantages what make it the most wanted material for walling in a modern construction work:

- High pressing toughness what settles high capacity and mechanic resistance of the walls, and therefore the tightness of objects built by such products.
- Tough walls what settle the excellent capacity and safe mounting the harder elements of the furniture and house devices.
- Good sound and thermo isolation.
- Resistance on high temperatures.
- 100% of natural material what allows objects to “breathe”, whereby microclimate, nice ambient and healthy habitation is provided.
- Simplicity in using and quickness of walling, whereby economy is provided, therefore lower costs of walling by m2 of the wall.

ENERGETIC BLOCKS – NEW!

BBY actualization of the standards of energy efficiency, problems of protecting the environment and demands of modern construction work, the company “Mladost” developed the last generation of the blocks far walling by high format – THE ENERGETIC BLOCKS.

These are new products with enhanced characteristics:

- Promoted thermal capacity of the products made for energetic efficient objects.
- They save the energy of the object, so they regulate the microclimate of the object and provide lower costs of energy.
- Enhanced sound isolation.
- Mechanical performance and geometry provide precisely and quick walling.
- They provide better stability of the object.

Energetic blocks allow a range of savings, i.e. costs decreasing:

- DIRECT AND SHORT-TERM COSTS during the walling (speed and economy of walling).
- EXPLOATATION AND LONG-TERM COSTS during the using of object (decreasing the costs of energy in new objects).

Building by energetic blocks – advantages

- HIGH FORMAT what allows less number of using pieces by m2 of wall, what provides double faster walling by m2 of the wall considering the standard format of the blocks (25x19x19), whereby it decreases the costs of labor by m2 of the wall.
- NUT-FEDER CONNECTION SYSTEM of the blocks simplifies and additionally accelerates the walling and significantly decreases the required amount, i.e. the costs of mortar by m2 of the wall.
- DESIGN, FORMAT AND ARRANGEMENT OF HOLLOWES OF THE PRODUCT allow significantly lower coefficient of heating conduction of the product itself (λ -coefficient), and therefore the coefficient of heating passing of the wall (U -coefficient), what allows significantly less isolation material, which is another base for decreasing the costs of walling by square meter of the wall.

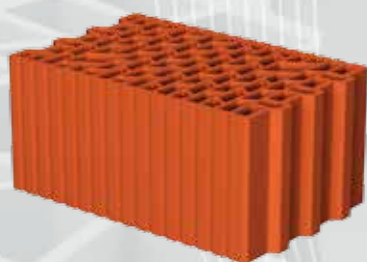
The Advantages During The Exploitation Of Objects Built By Energetic Blocks

Because of significantly less thermal conduction of the walls, objects built by Energetic blocks in long time period slow down the heat exchange between the object and outer environment. Therefore, during the winter, with better heat retention, all costs of heating the object are decreased. On the other side, during the summer, by preventing the breakthrough of heat, all costs of cooling the objects are decreased.

Massiveness of the object itself provides better stability and solidity of the walls and object itself.

ENERGETIC BLOCKS

ENERGETIC BLOCK 25 “STRONG”



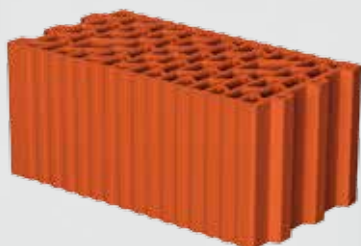
Blocks with vertical hollows	
Dimensions (mm)	380x250x238
JNF	11.60
Mass (kg)	16.50
Consumption by m ² / m ³	10.50 / 43
Coefficient of heating conduction (λ ₁₀ , dry, mat)(w/mk)	0.226
Pressing toughness (n/mm ²)	11.60
Pieces on pallet	60
Mass of the pallet (kg)	1000

ENERGETIC BLOCK 25 “ECONOMIC”



Blocks with vertical hollows	
Dimensions (mm)	380x250x238
JNF	11.60
Mass (kg)	15.10
Consumption by m ² / m ³	10.50 / 43
Coefficient of heating conduction (λ ₁₀ , dry, mat)(w/mk)	0.198
Pressing toughness (n/mm ²)	11.70
Pieces on pallet	72
Mass of the pallet (kg)	1100

ENERGETIC BLOCK 20



Blocks with vertical hollows	
Dimensions (mm)	380x200x238
JNF	9.28
Mass (kg)	14.20
Consumption by m ² / m ³	10.50 / 53
Coefficient of heating conduction (λ ₁₀ , dry, mat)(w/mk)	0.207
Pressing toughness (n/mm ²)	12.20
Pieces on pallet	72
Mass of the pallet (kg)	1035

ENERGETIC BLOCK 12



Blocks with vertical hollows	
Dimensions (mm)	380x120x238
JNF	5.56
Mass (kg)	9.00
Consumption by m ² / m ³	10.50 / 88
Coefficient of heating conduction (λ ₁₀ , dry, mat)(w/mk)	0.27
Pressing toughness (n/mm ²)	10.90
Pieces on pallet	120
Mass of the pallet (kg)	1090

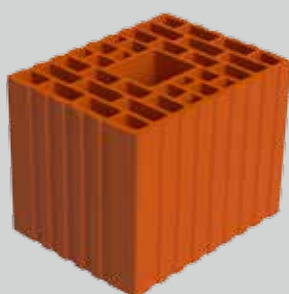
ENERGETIC BLOCK 10



Blocks with vertical hollows	
Dimensions (mm)	380x100x238
JNF	4.64
Mass (kg)	8.10
Consumption by m ² / m ³	10.50 / 105
Coefficient of heating conduction (λ ₁₀ , dry, mat)(w/mk)	0.272
Pressing toughness (n/mm ²)	11.40
Pieces on pallet	144
Mass of the pallet (kg)	1180

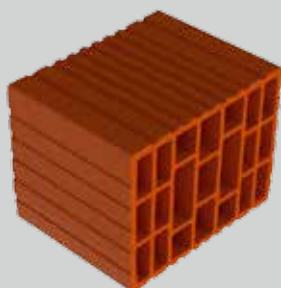
STANDARD PROGRAM OF BLOCKS FOR BUILDING

GITER 5



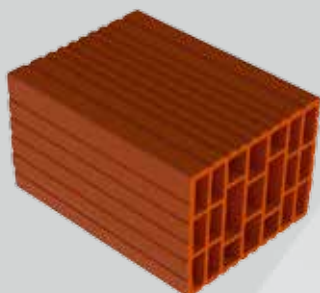
Blocks with vertical hollows	
Dimensions (mm)	250x190x190
JNF	4.60
Mass (kg)	6.50
Pressing toughness (daN/cm ²)	100
Consumption by 1m ² of the wall with 12 cm of thickness	25
Pieces in 1m ³	110
Pieces on a pallet / mass of a pallet (pcs/kg)	160/ 1050

TERMO BLOCK 5



Blocks with horizontal hollows	
Dimensions (mm)	190x250x190
JNF	4.60
Mass (kg)	5.90
Pressing toughness (daN/cm ²)	20
Consumption by 1m ² of the wall with 25 cm of thickness	25
Pieces in 1m ³	110
Pieces on a pallet / mass of a pallet (pcs/kg)	160/ 954

TERMO BLOCK 33



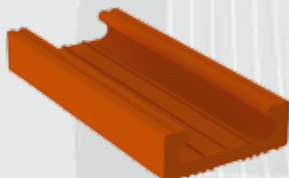
Blocks with horizontal hollows	
Dimensions (mm)	330x250x190
JNF	8
Mass (kg)	10.30
Pressing toughness (daN/cm ²)	20
Consumption by 1m ² of the wall with 25 cm of thickness	15
Pieces in 1m ³	66
Pieces on a pallet / mass of a pallet (pcs/kg)	100/ 1040

FERT 14 CEILING BRICK



Block for inner-floor constructions	
Dimensions (mm)	245x275x140
JNF	5.00
Mass (kg)	6.20
Capacity (kN)	2.70
Pieces on 1m ² of the ceiling	10
Pieces in 1m ³	90
Pieces on a pallet / mass of a pallet (pcs/kg)	147/ 921 i 84/ 530

DUCTS



Block for inner-floor constructions	
Dimensions (mm)	245x115x40
JNF	0.80
Mass (kg)	1.10
Capacity (kN)	2.40
Pieces on 1m ² of the ceiling	4
Pieces in 1m ³	880
Pieces on a pallet / mass of a pallet (pcs/kg)	1024/ 1135

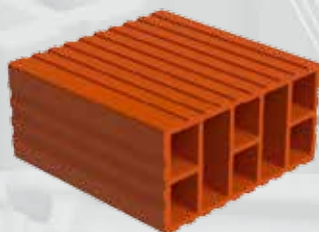
STANDARD PROGRAM OF BLOCKS FOR BUILDING

DIVIDING BLOCK 12



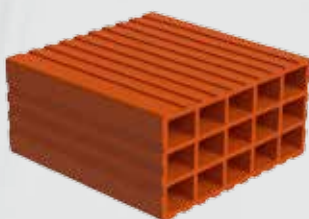
Blocks with vertical hollows	
Dimensions (mm)	250x120x190
JNF	3.00
Mass (kg)	4.50
Pressing toughness (daN/cm ²)	100
Consumption by 1m ² of the wall with 25 cm of thickness	20
Pieces in 1m ³	175
Pieces on a pallet / mass of a pallet (pcs/kg)	256/ 1162

BLOCK 4/8



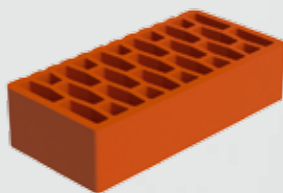
Blocks with horizontal hollows	
Dimensions (mm)	250x120x250
JNF	3.90
Mass (kg)	4.30
Pressing toughness (daN/cm ²)	20
Consumption by 1m ² of the wall with 25 cm of thickness	28
Pieces in 1m ³	133
Pieces on a pallet / mass of a pallet (pcs/kg)	224/ 973 i 128/ 560

BLOCK 4/15



Blocks with horizontal hollows	
Dimensions (mm)	250x120x250
JNF	3.90
Mass (kg)	4.60
Pressing toughness (daN/cm ²)	20
Consumption by 1m ² of the wall with 25 cm of thickness	28
Pieces in 1m ³	133
Pieces on a pallet / mass of a pallet (pcs/kg)	224/ 1040 i 128/ 599

GITER BRICK 1 - smooth



Blocks with vertical hollows	
Dimensions (mm)	250x120x60
JNF	0.90
Mass (kg)	1.80
Pressing toughness (daN/cm ²)	100
Consumption by 1m ² of the wall with 12 cm of thickness	60
Pieces in 1m ³	556
Pieces on a pallet / mass of a pallet (pcs/kg)	600/ 1090

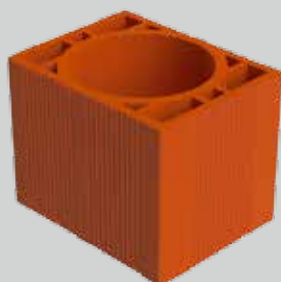
GITER BRICK 1 - relief



Blocks with vertical hollows	
Dimensions (mm)	250x120x60
JNF	0.90
Mass (kg)	1.80
Pressing toughness (daN/cm ²)	100
Consumption by 1m ² of the wall with 12 cm of thickness	60
Pieces in 1m ³	556
Pieces on a pallet / mass of a pallet (pcs/kg)	600/ 1090

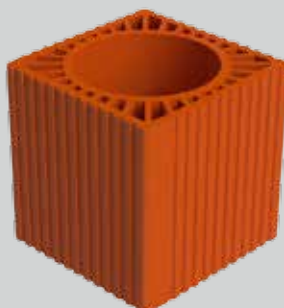
VENTILATION BLOCKS

VENTILATION BLOCK VB-16



Вентилационен блок Ø160	
Dimensions (mm)	250x190x190
JNF	4.60
Mass (kg)	6.10
Pressing toughness (daN/cm ²)	75
Consumption by 1m	5
Pieces on a pallet / mass of a pallet (pcs/kg)	160/ 986

VENTILATION BLOCK VB-18



Вентилационен блок Ø180	
Dimensions (mm)	245x250x250
JNF	8.00
Mass (kg)	10
Pressing toughness (daN/cm ²)	75
Consumption by 1m	4
Pieces on a pallet / mass of a pallet (pcs/kg)	96/ 970

VENTILATION BLOCK VB-18 / 13



Вентилационен блок Ø 180 със страничен отвор Ø 130	
Dimensions (mm)	245x250x250
JNF	8.00
Mass (kg)	9.90
Pressing toughness (daN/cm ²)	50
Consumption by 1m	4
Pieces on a pallet / mass of a pallet (pcs/kg)	32/ 327

VENTILATION BLOCK VB-18 / 15



Вентилационен блок Ø 180 със страничен отвор Ø 150	
Dimensions (mm)	245x250x250
JNF	8.00
Mass (kg)	9.80
Pressing toughness (daN/cm ²)	50
Consumption by 1m	4
Pieces on a pallet / mass of a pallet (pcs/kg)	32/ 324

PICTURES OF REFERENCE OBJECTS



MLADOST LESKOVAC

Puškinova bb
16000 Leskovac
Tel/Fax: +381 (0)16 243 073, 255 507
office@mladost.co.rs

MLADOST VLASOTINCE

Industrijska zona bb
16210 Vlasotince
Tel/Fax: +381 (0)16 875 432, 875 513
office@mladost.co.rs

MLADOST MALA PLANA

Industrijska bb
18423 Mala Plana
Tel/Fax: +381 (0) 27 343 511, 343 999
office@mladost.co.rs

IGM MLADOST d.o.o.

Puškinova bb, 16000 Leskovac
Tel/Faks: +381 (0) 16 243 073,
+381 (0) 16 255 507

office@mladost.co.rs

