



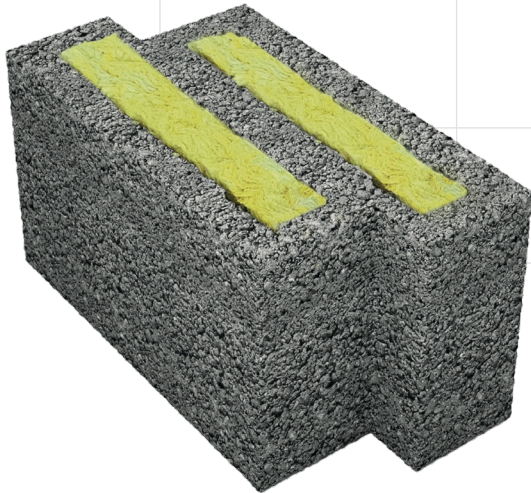
INSULATED LIGHTWEIGHT ECOLOGICAL STRUCTURAL ELEMENTS

PRODUCT CATALOGUE

www.megainsulation.com.tr







"STONE WOOL FILLED" THERMAL INSULATED LIGHTWEIGHT ECOLOGICAL STRUCTURAL ELEMENTS



HIGH THERMAL INSULATION



LIGHTWEIGHT - EARTHQUAKE



INCOMBUSTIBILITY



MOISTURE



ECOLOGICAL



DURABILITY



ECONOMY

Advantages of MegaBlock



HIGH THERMAL INSULATION

Thanks to its stone wool filled design comply with the energy performance regulation presents walls.



INCOMBUSTIBILITY

Class A1 non-combustible wall block. Non-flammable toxic gas, smoke and does not drip.



MOISTURE

Due to the natural pumice in its content. creates breathable & healthy environments. improves life quality in your spaces.



LIGHTWEIGHT - EARTHQUAKE

It lightens the structure & helps to reduce the destructive force brought by the earthquake to the building.



ECOLOGICAL

Due to its structure, it is completely natural such as pumice, water and air. Recycled, environmental and it is a human-friendly building material.



DURABILITY

Provides Up to 50% more compressive strength compared to equivalent products.



ECONOMY

Large dimensions and stone wool filled design provides the contractor labor savings and the end user low energy cost over the life of the building.



TSE/UT0/2203

MegaBlock Thermal

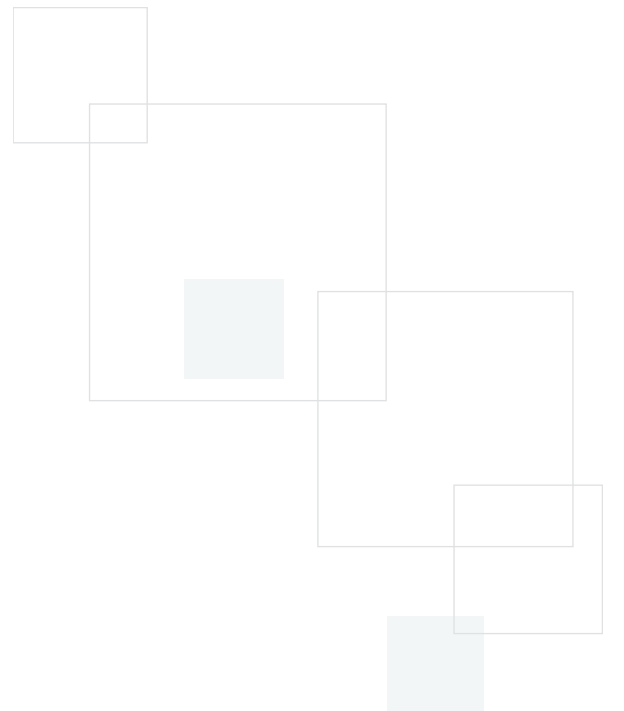
MegaBlock Thermal is specially designed for thermal insulation. It creates thinner details as the structure combines thermal insulation with building elements, and leaves wider usage areas to architects and end users. It gives contractors speed, efficiency and savings. It accelerates the construction of an insulated wall in very hot and very cold weather.

MegaBlock Thermal, as a heat-insulated lightweight construction element, makes the building stronger against earthquakes. Easy to cut structure, prevents loss and allows homogeneous wall formation.

As MegaBlock Thermal is vapor permeable, it offers breathing and comfortable living spaces.

Provides fire insulation and heat insulation in shaft tunnels for installations and adjacent walls. Due to the high thickness and layered structure, provides easy processing of clean & waste water installations, besides thermal & sound insulation.

Allows easy mounting of cabinets and built-in products on it. Due to the perfect plaster adhesion, it accelerates plaster application speed and minimizes the plaster consumption. Since there is no expansion during production, no shrinkage and cracks occurs on the surface.



MegaBlock Thermal / 95 mm Series



MegaBlock Thermal / 95 mm Block
40 mm Stone wool filled

*It is planned to be produced in the 2nd half of 2023

Complementary Blocks

Corner Block 40 mm Stone wool filled



Half Corner Block 40 mm Stone wool filled



Half Corner Block Full - Without Stone wool



MegaBlock Thermal / 95 mm Series Technical Value

Unplastered wall U-value	0,72	W/m ² .K			
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,49	W/m ² .K			
Lambda value wall λ	0,078	W/m.K			
Reaction to fire	A1	W/m ² .K			
Fire resistance	120	Dk			
Water vapor permeability Wet Plate	6,70	μ			
Water vapor permeability Dry Plate	18	μ			
Unit volume mass (Density)	420	kg/m ³			
Capillary water absorption	190	g/(m ² Vsn)			
Airborne sound insulation plastered wall R'w	30	dB			
Compressive strength	> 0,40	Mpa			
Unit weight		Piece / kg			
Block Distribution in the Pallet	Z Block : ... Piece	Corner Block : ... Piece	Half Block : ... Piece	Half Corner Block Full : ... Piece	Total Block : ... Piece

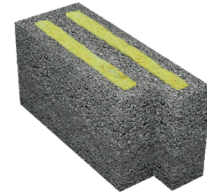
MegaBlock Thermal / 145 mm Series



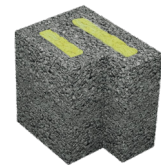
MegaBlock Thermal / 145 mm Block
Z Block 50 mm Stone wool filled
145x330x185

Complementary Blocks

Corner Block 50 mm Stone wool filled



Half Corner Block 50 mm Stone wool filled



Half Corner Block Full - Without Stone wool

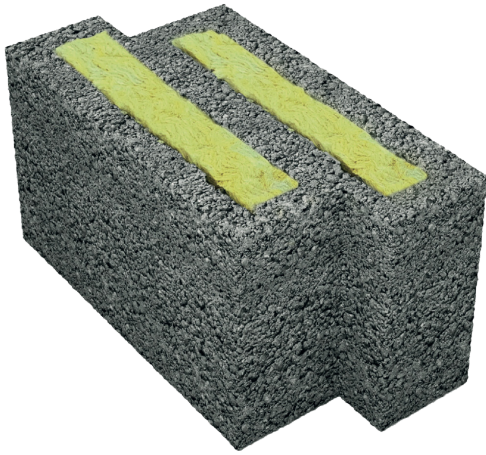


MegaBlock Thermal / 145 mm Series Technical Value

Unplastered wall U-value	0,49	W/m ² .K			
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,36	W/m ² .K			
Lambda value wall λ	0,075	W/m.K			
Reaction to fire	A1	W/m ² .K			
Fire resistance	120	Dk			
Water vapor permeability Wet Plate	6,60	μ			
Water vapor permeability Dry Plate	17,20	μ			
Unit volume mass (Density)	440	kg/m ³			
Capillary water absorption	171	g/(m ² Vsn)			
Airborne sound insulation plastered wall R'w	35	dB			
Compressive strength	> 0,40	Mpa			
Unit weight		Piece / kg			
Block Distribution in the Pallet	Z Block : 91 Piece	Corner Block : 14 Piece	Half Block : 7 Piece	Half Corner Block Full : 7 Piece	Total Block : 112 Piece

While making quantity calculations, please note 2 half blocks dimensions equals to 1 full block dimension.

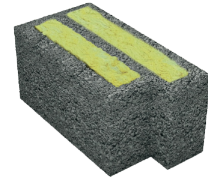
MegaBlock Thermal / 195 mm Series



MegaBlock Thermal / 195 mm Block
Z Block 90 mm Stone wool filled
195x330x185

Complementary Block

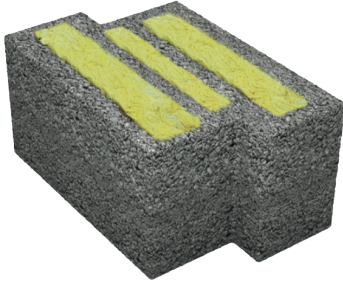
Corner Block 90 mm Stone wool filled



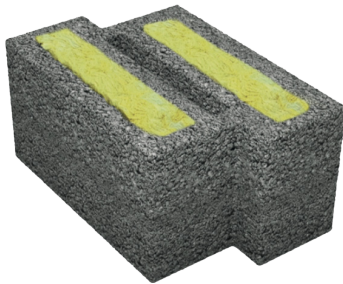
MegaBlock Thermal / 195 mm Series Technical Value

Unplastered wall U-value	0,35	W/m ² .K		
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,28	W/m ² .K		
Lambda value wall λ	0,07	W/m.K		
Reaction to fire	A1	W/m ² .K		
Fire resistance	120	Dk		
Water vapor permeability Wet Plate	6,60	μ		
Water vapor permeability Dry Plate	17,20	μ		
Unit volume mass (Density)	400	kg/m ³		
Capillary water absorption	133	g/(m ² Vsn)		
Airborne sound insulation plastered wall R'w	44,5 (-1,-4)	dB		
Compressive strength	> 0,40	Mpa		
Unit weight		Piece / kg		
Block Distribution in the Pallet	Z Block : 63 Piece	Corner Block : 14 Piece	Half Block : 7 Piece	Total Block : 84 Piece

MegaBlock Thermal / 245 mm Series



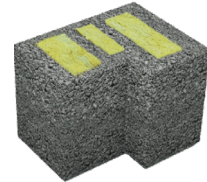
MegaBlock Thermal / 245 mm Block
Z Block 130 mm Stone wool filled - 245x330x185



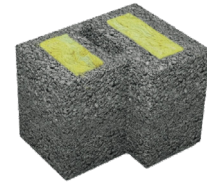
MegaBlock Thermal / 245 mm Block
Z Block 100 mm Stone wool filled - 245x330x185

Complementary Blocks

Half Corner Block 130 mm Stone wool filled



Half Corner Block 100 mm Stone wool filled



Half Corner Block Full - Without Stone wool

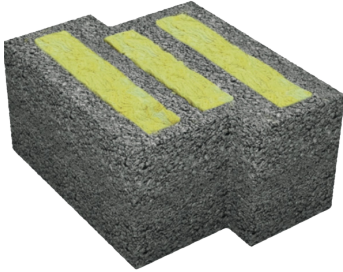


MegaBlock Thermal / 245 mm Series Technical Value

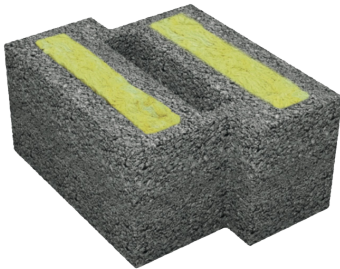
Unplastered wall U-value	0,32	W/m ² .K
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,26	W/m ² .K
Lambda value wall λ	0,081	W/m.K
Reaction to fire	A1	W/m ² .K
Fire resistance	180	Dk
Water vapor permeability Wet Plate	6,60	μ
Water vapor permeability Dry Plate	17,20	μ
Unit volume mass (Density)	390	kg/m ³
Capillary water absorption	173	g/(m ² Vsn)
Airborne sound insulation plastered wall R'w	46,5	dB
Compressive strength	> 0,40	Mpa
Unit weight		Piece / kg
Block Distribution in the Pallet	Z Block : 49 Piece	Corner Block : 14 Piece
	Half Block : 7 Piece	Half Corner Block Full : 7 Piece
		Total Block : 70 Piece

While making quantity calculations, please note 2 half blocks dimensions equals to 1 full block dimension.

MegaBlock Thermal / 295 mm Series



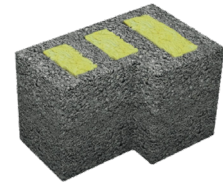
MegaBlock Thermal / 295 mm Block
Z Block 150 mm Stone wool filled - 295x330x185



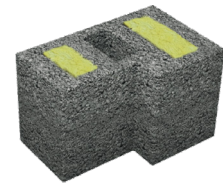
MegaBlock Thermal / 295 mm Block
Z Block 100 mm Stone wool filled - 295x330x185

Complementary Blocks

Half Corner Block 150 mm Stone wool filled



Half Corner Block 100 mm Stone wool filled



Half Corner Block Full - Without Stone wool



MegaBlock Thermal / 245 mm Series Technical Value

Unplastered wall U-value	0,21	W/m ² .K			
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,19	W/m ² .K			
Lambda value wall λ	0,065	W/m.K			
Reaction to fire	A1	W/m ² .K			
Fire resistance	240	Dk			
Water vapor permeability Wet Plate	6,60	μ			
Water vapor permeability Dry Plate	17,20	μ			
Unit volume mass (Density)	395	kg/m ³			
Capillary water absorption	152	g/(m ² Vsn)			
Airborne sound insulation plastered wall R'w	48	dB			
Compressive strength	> 0,40	Mpa			
Unit weight		Piece / kg			
Block Distribution in the Pallet	Z Block : 42 Piece	Corner Block : 7 Piece	Half Block : 7 Piece	Half Corner Block Full : 7 Piece	Total Block : 56 Piece

While making quantity calculations, please note 2 half blocks dimensions equals to 1 full block dimension.



"STONE WOOL FILLED" SOUND INSULATED ECOLOGICAL STRUCTURAL ELEMENTS



Advantages of MegaBlock



SOUND INSULATION

Due to porous structure and natural raw materials provides noise reduction and offers solutions in accordance with the regulation.



COMFORT

Offers solutions for hotels, offices, hospitals, schools and residences and provides sound insulation up to 60 dB by blocking the traffic-related environmental noise.



ECOLOGICAL

Due to its structure, it is completely natural, recycled, environmental and human-friendly building material.



HEALTHY INTERIORS

Due to the natural pumice in its structure, it balances humidity, creates breathing comfortable, healthy spaces and increases the life quality in the buildings.



ECONOMY

Building a single wall with its stone wool filled special design and large dimensions, provides labor saving.



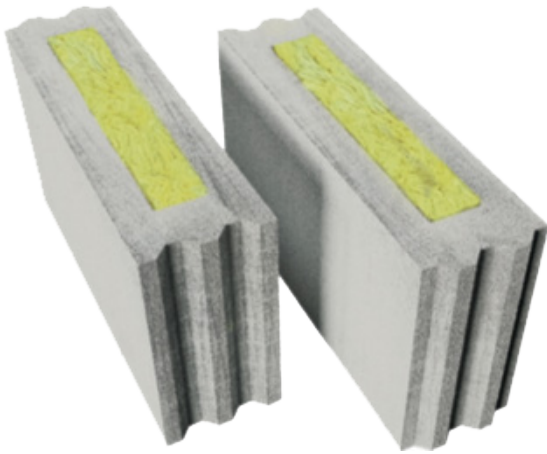
INCOMBUSTIBILITY

Class A1, uncombustible, non-flammable wall block, does not produce toxic gas and smoke and does not drip.



TS EN ISO 10140-2: 2021-05 , TS EN ISO 717-1: 2021-02

MegaBlock Acoustic / 95 mm Series

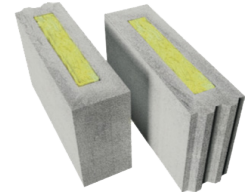


MegaBlock Acoustic / 95 mm Block
40 mm Stone wool filled

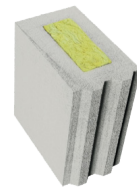
*It is planned to be produced in the 2nd half of 2023

Complementary Blocks

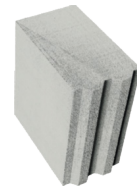
Corner Block 40 mm Stone wool filled



Half Corner Block 40 mm Stone wool filled



Half Corner Block Full - Without Stone wool



MegaBlock Acoustic / 95 mm Series Technical Value

Airborne sound insulation plastered wall R'w	40 (-1,-3)	dB			
U value wall	1,43	W/m ² .K			
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,75	W/m ² .K			
Lambda value wall λ	0,19	W/m.K			
Reaction to fire	A1	W/m ² .K			
Fire resistance	120	Dk			
Water vapor permeability Wet Plate	31,30	μ			
Water vapor permeability Dry Plate	14,30	μ			
Unit volume mass (Density)	1.000	kg/m ³			
Capillary water absorption	210	g/(m ² Vsn)			
Unit weight	> 3,20	Mpa			
Block Distribution in the Pallet	Z Block : ... Piece	Corner Block : ... Piece	Half Block : ... Piece	Half Corner Block Full : ... Piece	Total Block : ... Piece

TSE
 TS EN ISO 10140-2: 2021-05 , TS EN ISO 717-1: 2021-02
 41,60 dB sound insulation on unplastered wall

MegaBlock Acoustic / 145 mm Series



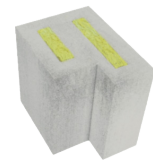
MegaBlock Acoustic / 145 mm Block
 Z Block 50 mm Stone wool filled
 145x330x185

Complementary Blocks

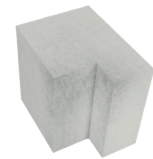
Corner Block 50 mm Stone wool filled



Half Corner Block 50 mm Stone wool filled



Half Corner Block Full - Without Stone wool

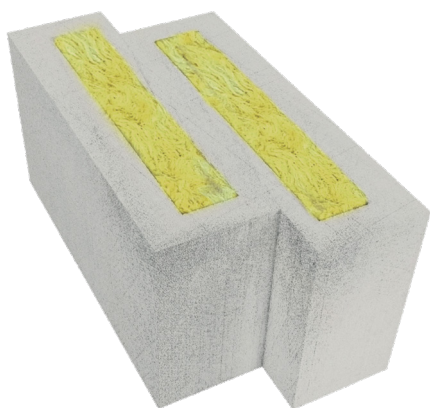


MegaBlock Acoustic / 145 mm Series Technical Value

Airborne sound insulation plastered wall R'w	47	dB			
U value wall	1,03	W/m ² .K			
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,62	W/m ² .K			
Lambda value wall λ	0,182	W/m.K			
Reaction to fire	A1	W/m ² .K			
Fire resistance	240	Dk			
Water vapor permeability Wet Plate	31,30	μ			
Water vapor permeability Dry Plate	14,30	μ			
Unit volume mass (Density)	1.000	kg/m ³			
Capillary water absorption	213	g/(m ² Vsn)			
Unit weight	> 3,00	Mpa			
Block Distribution in the Pallet	Z Block : 78 Piece	Corner Block : 12 Piece	Half Block : 6 Piece	Half Corner Block Full : 6 Piece	Total Block : 96 Piece

While making quantity calculations, please note 2 half blocks dimensions equals to 1 full block dimension.

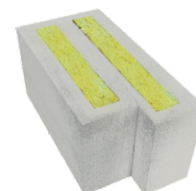
MegaBlock Acoustic / 195 mm Series



MegaBlock Acoustic / 195 mm Block
Z Block 90 mm Stone wool filled

Complementary Block

Corner Block 90 mm Stone wool filled

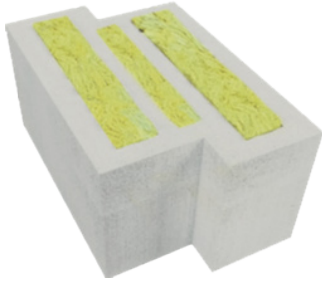


MegaBlock Acoustic / 195 mm Series Technical Value

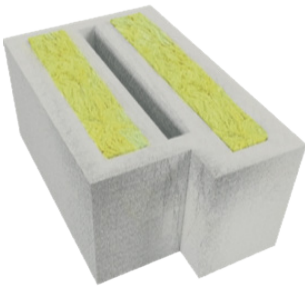
Airborne sound insulation plastered wall R'w	53 (-1,-4)	dB		
U value wall	1,12	W/m ² .K		
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,65	W/m ² .K		
Lambda value wall λ	0,269	W/m.K		
Reaction to fire	A1	W/m ² .K		
Fire resistance	240	Dk		
Water vapor permeability Wet Plate	31,30	μ		
Water vapor permeability Dry Plate	14,30	μ		
Unit volume mass (Density)	865	kg/m ³		
Capillary water absorption	215	g/(m ² Vsn)		
Unit weight	> 3,20	Mpa		
Block Distribution in the Pallet	Z Block : 54 Piece	Corner Block : 12 Piece	Half Block : 6 Piece	Total Block : 72 Piece

TSE
 TS EN ISO 10140-2: 2021-05 , TS EN ISO 717-1: 2021-02
 47,60 dB sound insulation on unplastered wall

MegaBlock Acoustic / 245 mm Series



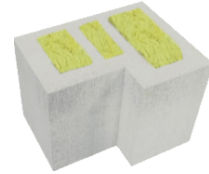
MegaBlock Acoustic / 245 mm Block
 Z Block 130 mm Stone wool filled - 245x330x185



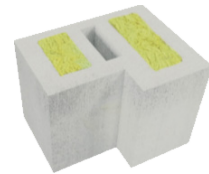
MegaBlock Acoustic / 245 mm Block
 Z Block 100 mm Stone wool filled - 245x330x185

Complementary Blocks

Half Corner Block 130 mm Stone wool filled



Half Corner Block 100 mm Stone wool filled



Half Corner Block Full - Without Stone wool



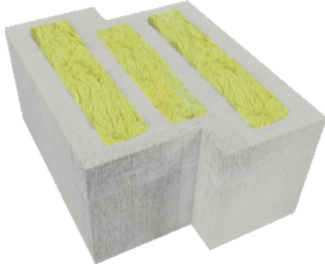
MegaBlock Acoustic / 245 mm Series Technical Value

Airborne sound insulation plastered wall R'w	56 (-1,-3)	dB
U value wall	0,67	W/m ² .K
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,47	W/m ² .K
Lambda value wall λ	0,185	W/m.K
Reaction to fire	A1	W/m ² .K
Fire resistance	240	Dk
Water vapor permeability Wet Plate	31,30	μ
Water vapor permeability Dry Plate	14,30	μ
Unit volume mass (Density)	830	kg/m ³
Capillary water absorption	311	g/(m ² Vsn)
Unit weight	> 2,70	Mpa
Block Distribution in the Pallet	Z Block : 42 Piece	Corner Block : 12 Piece
	Half Block : 6 Piece	Half Corner Block Full : 6 Piece
	Total Block : 60 Piece	

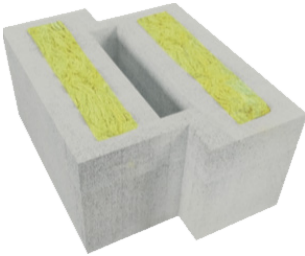
While making quantity calculations, please note 2 half blocks dimensions equals to 1 full block dimension.

TSE
 TS EN ISO 10140-2: 2021-05 , TS EN ISO 717-1: 2021-02
 48,70 dB sound insulation on unplastered wall

MegaBlock Acoustic / 295 mm Series



MegaBlock Acoustic / 295 mm Block
 Z Block 150 mm Stone wool filled - 295x330x185



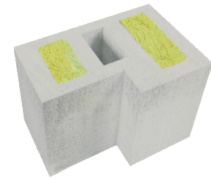
MegaBlock Acoustic / 295 mm Block
 Z Block 100 mm Stone wool filled - 295x330x185

Complementary Blocks

Half Corner Block 150 mm Stone wool filled



Half Corner Block 100 mm Stone wool filled



Half Corner Block Full - Without Stone wool

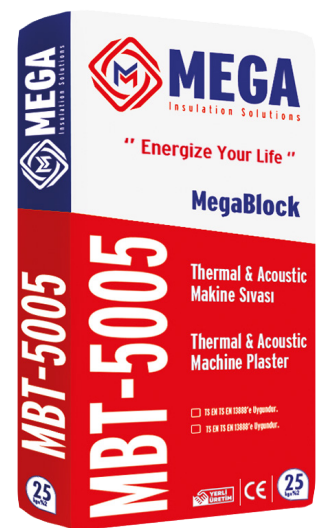
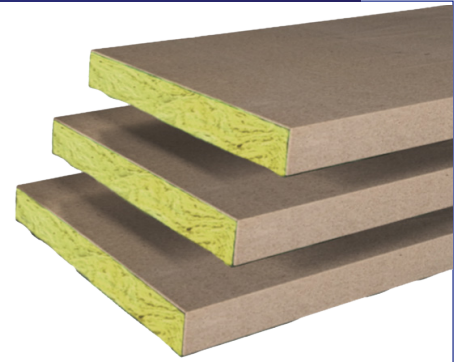


MegaBlock Acoustic / 295 mm Series Technical Value

Airborne sound insulation plastered wall R'w	60	dB
U value wall	0,56	W/m ² .K
Plastered wall U-value (3 cm gypsum plaster inside - 3 cm thermal plaster outside)	0,41	W/m ² .K
Lambda value wall λ	0,181	W/m.K
Reaction to fire	A1	W/m ² .K
Fire resistance	240	Dk
Water vapor permeability Wet Plate	231	μ
Water vapor permeability Dry Plate	865	μ
Unit volume mass (Density)	865	kg/m ³
Capillary water absorption	213	g/(m ² Vsn)
Unit weight	> 3,50	Mpa
Block Distribution in the Pallet	Z Block : 36 Piece	Corner Block : 6 Piece
	Half Block : 6 Piece	Half Corner Block Full : 6 Piece
	Total Block : 48 Piece	

While making quantity calculations, please note 2 half blocks dimensions equals to 1 full block dimension.

COMPLEMENT PRODUCT GROUP



MegaBlock BC

MegaBlock BC is stone wool filled, self-plastered, environmentally friendly and ecological thermal insulation block and designed to prevent thermal insulation bridges.

MegaBlock BC can be used on outward facing reinforced concrete surfaces such as columns, beams, curtain walls, roofs, terraces and garages.

It provides fast and easy application with its alternative dimensions and light weight. Thus, it saves time and labor.

MegaBlock BC with A1 fire reaction class (non-combustible material) provides thermal, sound and fire insulation with maximum performance in a single material.



Application;

To build a wall with MegaBlock Thermal, all walls facing outward are protruded by a minimum of 6 cm. Thus, all externally facing reinforced concrete surfaces (such as columns, beams, floor ceilings and shear walls) remain recessed inside.

Then MegaBlock BC is adhered to these reinforced concrete surfaces.

Columns and beams should be cleaned of dust, dirt and oils before application.

MegaBlock Adhesive must be used in MegaBlock BC application. During application min. 5 mm notched trowel should be used.

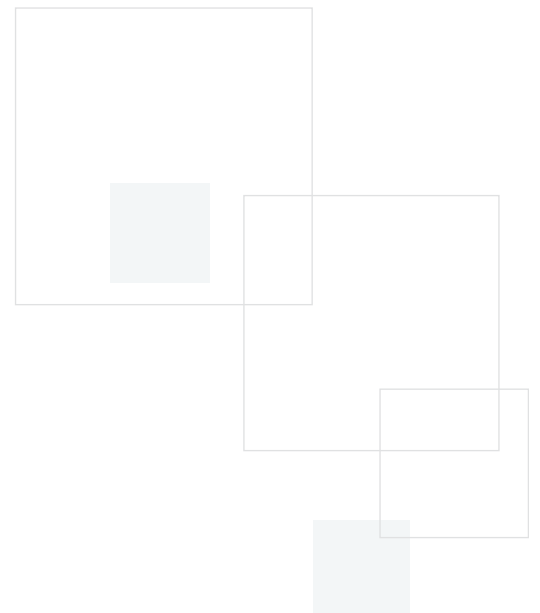
Dimensions;

Standard dimensions are; "30x60x5" cm and "40x50x5" cm.

Production is made in desired dimensions.

Please consult for non-standart dimensions.

 0850 433 63 42



MBT-3201 MegaBlock Thermal & Acoustic Adhesive Mortar



Is an adhesive mortar which is, M10 class cement based, high adhesive with enhanced bonding adherence, compatible with wall component, proper for bonding products and all kinds of interior and exterior spaces.

MBT-3201 is a fast-setting, compatible with all kinds of construction and floors, easy to apply, time-saving and long-lasting adhesive mortar. MBT-3201 does not contain any substance which is harmful to the environment and human health. As it is hydrophobic it is ideal for wet surfaces.

Application:

1 bag of product should be mixed with 10-10.5 lt of water in a clean container till the mixture becomes homogeneous (around 10 min.)

Water should be added gradually

The mixer should be used at low speed

The prepared mixture should be used within one hour. The entire bag should be used in one go

Do not use the solidified mortar by adding water

No component other than clean water should be added to the mixture

It can be applied in the range of +5°C to +50°C. The product can also be used as a joint filler

After the application, the surface should be protected from rain or water at least 1 day

Storage Conditions: 12 months in dry environment without water contact

Material Consumption: To build 1 m² wall with 95 mm block approximately 4 - 6 kg. material

Packaging: 25 kg/bag - 1.600 kg/pallet

Technical Information

Thermal conductivity	P= %50 (0,26 W/mK)
Compressive strength	M10 >13 N/mm ²
Initial tensile strength	≤ 0,5 kg/m ² .dk ^{0.5}
Tensile strength after immersion in water	0,65 N/mm ²
Tensile strength after heat aging	0,59 N/mm ²
Processing time	80±5 dk
Water vapor permeability	5/20
Water absorption	≤ 0,15 ± kg/m ² dk 0,5 (W1 TS EN 1015-18:2004)
Fire resistance	A1 class incombustible

MBT-3301 MegaBlock Thermal & Acoustic Plaster



Cement-based, improved adherence MegaBlock Thermal & Acoustic Plaster, suitable for hand and machine use.

Application:

1 bag of product should be mixed with 6-6.5 lt of water in a clean container till the mixture becomes homogeneous (around 10 min.).

Water should be added gradually

The mixer should be used at low speed.

The prepared mixture should be used within one hour. The entire bag should be used in one go.

Before starting the application, prepared mixture should be mixed 1-2 minutes. again.

Do not use the solidified mortar by adding water

No component other than clean water should be added to the mixture.

It can be applied in the range of +5°C to +50°C.

The prepared mortar should be applied to the surface with a steel trowel and plaster shovel.

After the application, the surface should be protected from rain or water at least 1 day.

Finishing should be done 5 - 10 min later

When the plaster does not move when touched with a finger, smoothing is done with a trowel.

Approximately 30 minutes after the smoothing process, the surface is slightly wetted with a sponge.

The prepared mortar should be consumed within 2 hours.

To increase the plaster durability, apply water to the surfaces, at regular intervals for 7 days depending on the ambient conditions

Expired or crusted mortar in the container should be discarded.

After application, hands and application tools should be washed with plenty of water.

Consumption: Approx. 3.5-4 kg/m² for 10 mm thickness

Storage Conditions: 12 months in dry environment without water contact

Packaging: 25 kg/bag - 1.600 kg/pallet

Technical Information

Compressive strength	≥3 N/mm ²
Adhesion strength	≥0,15 N/mm ²
Water absorption coefficient	≤ 0,5 kg/m ² .dk ^{0.5}
Dry bulk density of hardened mortar	800±100 kg/m ³
Thermal conductivity	0,18 W/mK
Determination of workability time	≥ 30 dakika
Chloride determination	≤ 0,1%
Air content determination	20 ± 2 kg/m ³

MBT-5000 MegaBlock Thermal & Acoustic Hand Plaster Mortar



MegaBlock Plaster Mortar is a cement-based ready-made rough plaster that can be applied by hand. It is used for indoor and outdoor ceiling and surfaces. Bonding adherence enhanced, high adhesive MegaBlock Thermal Plaster suitable for hand and machine use.

Application:

1 bag of product should be mixed with 6-6.5 lt of water in a clean container till the mixture becomes homogeneous (around 10 min.).

Mortar should be rested for 5-10 minutes before using.

Water should be added gradually

The mixer should be used at low speed.

The prepared mixture should be used within one hour. The entire bag should be used in one go.

Before starting the application, prepared mixture should be mixed 1-2 minutes. again.

Do not use the solidified mortar by adding water

No component other than clean water should be added to the mixture.

It can be applied in the range of +5°C to +50°C.

The prepared mortar should be applied to the surface with a steel trowel and plaster shovel.

After the application, the surface should be protected from rain or water at least 1 day.

Finishing should be done 5 - 10 min later

When the plaster does not move when touched with a finger, smoothing is done with a trowel.

Approximately 30 minutes after the smoothing process, the surface is slightly wetted with a sponge.

The application thickness should be minimum 10 mm and maximum 30 mm in one coat.

If the second layer is required, the application should be done before the first layer is cured. The prepared mortar should be consumed within 2 hours.

To increase the plaster durability, apply water to the surfaces, at regular intervals for 7 days depending on the ambient conditions

Expired or crusted mortar in the container should be discarded.

After application, hands and application tools should be washed with plenty of water.

Consumption: Approx. 10-12 kg/m² for 10 mm thickness

Storage Conditions: 12 months in dry environment without water contact

Packaging: 25 kg/bag - 1.600 kg/pallet

Technical Information

Dry bulk density	1.450 ± 300kg/m ³
Thermal conductivity	Table 2 T1 ≤ 0,54 W/mK (P=%90)
Compressive strength	CS IV (≥ 6 N/mm ²)
Bond strength	0,3 N/mm ² FP: A
Capillary water absorption	WO (≤ 0,5 kg/m ² .dk ^{0.5})
Water vapor permeability coefficient	≤30μ
Fire class	A1
Temperature resistance	Between -30°C & + 60°C

MBT-5005 MegaBlock Thermal & Acoustic Machine Plaster Mortar



MegaBlock Machine Plaster Mortar is a cement-based, ready-made rough plaster product that can be applied with a machine. It can be used on all indoor and outdoor surfaces, including the ceiling. Bonding adherence enhanced, high adhesive MegaBlock Thermal Plaster suitable for hand and machine use.

Application:

1 bag of product should be mixed with 8,5-9 lt of water in a clean container till the mixture becomes homogeneous (around 10 min.).

Mortar should be rested for 5-10 minutes before using.

Water should be added gradually.

The mixer should be used at low speed.

The prepared mixture should be used within one hour. The entire bag should be used in one go.

Before starting the application, prepared mixture should be mixed 1-2 minutes. again.

Do not use the solidified mortar by adding water.

No component other than clean water should be added to the mixture.

It can be applied in the range of +5°C to +50°C.

The prepared mortar should be applied to the surface with a steel trowel and plaster shovel.

After the application, the surface should be protected from rain or water at least 1 day.

Finishing should be done 5 - 10 min later. When the plaster does not move when touched with a finger, smoothing is done with a trowel.

Approximately 30 minutes after the smoothing process, the surface is slightly wetted with a sponge.

The application thickness should be 8-10 mm on the ceiling for a single layer and 10-20 mm on the other facades. If the second layer is required, the application should be done before the first layer is cured. It should not be applied more than one coat in ceiling applications and more than two coats on other surfaces.

The prepared mortar should be consumed within 2 hours.

To increase the plaster durability, apply water to the surfaces, at regular intervals for 7 days depending on the ambient conditions.

Expired or crusted mortar in the container should be discarded. After application, hands and application tools should be washed with plenty of water.

Consumption: Approx. 10-12 kg/m² for 10 mm thickness.

Storage Conditions: 12 months in dry environment without water contact.

Packaging: 25 kg/bag - 1.600 kg/pallet

Technical Information

Dry bulk density	1500 ± 300kg/m ³
Thermal conductivity	Table 2 T1 ≤ 0,57 W/mK (P=%90)
Compressive strength	CS IV (≥ 6 N/mm ²)
Bond strength	0,3 N/mm ² FP: A
Capillary water absorption	W0 (≤ 0,5 kg/m ² .dk ^{0,5})
Water vapor permeability coefficient	≤30μ
Fire class	A1
Temperature resistance	Between -30°C & + 60°C

MegaBlock Quality Certificates



MegaBlock Thermal TSE Certificate

TSE/UTO/22-003

MegaBlock Thermal UTO Certificate

TSE
TS EN ISO 1182:2010-07

MegaBlock Thermal
Incombustible Report

 **ODTÜ**
TS EN ISO 13788

MegaBlock Thermal
Condensation Report



MegaBlock Acoustic TSE Certificate

TSE
TS EN ISO 10140-2:2021-05
TS EN ISO 717-1:2021-02

MegaBlock Acoustic
Acoustic Report

BLX ACOUSTIC RESEARCH LAB.
TS EN ISO 10140-2:2021-05
TS EN ISO 717-1:2021-02

MegaBlock Acoustic
Acoustic Report

TSE
TS EN ISO 1182:2010-07

MegaBlock Acoustic
Incombustible Report







MegaBlock
Insulated Construction Elements



Sur Yapı Exen İstanbul Tantavi Mh. Estergon Cd.
F Blok No: 24F Kat: 37 D: 431 - 34764
Ümraniye / İstanbul
T: (0216) 784 34 69

EOSB 2.Sokak No: 15/2 Yazıkonak / Elazığ
T: (0424) 255 1 444 / F: (0424) 255 1 472