

YTONG Product list



www.ytong.bg

YTONG®

Autoclaved aerated concrete blocks YTONG

Ytong is a well-known international brand name which stands for aerated concrete products. The products have unlimited constructional possibilities and good building physical properties. Their main advantages are:

- **Excellent insulating characteristics** – External walls of YTONG extra⁺ with a thickness of 30 cm meet construction requirements and do not need any additional heat insulation.
- **Non-flammable** - in case of fire the **YTONG** walls do not deform and get destroyed, they do not let the heat and prevent the fire from passing into neighbouring rooms. With YTONG one can obtain the highest possible fire resistance class easily even with smaller wall thicknesses.
- **Light weight;**
- **Easily to work with ;**
- **Precise dimensions;**
- **Ecological** – **YTONG** blocks are produced completely of natural raw materials – sand, lime, cement, gypsum and water;
- **Vapour diffusion** – **YTONG** walls “breathe”;

The masonry blocks YTONG are produced with a length of 60 cm and a height of 25 cm. These dimensions are the same for all blocks. Only their thickness varies – within the range from 5 to 35 cm.

The blocks with a thickness of 5, 7.5 and 10 cm are used for lining existing or newly built walls for increasing their heat insulation capacity.

The blocks with a thickness from 10 to 25 cm are suitable for making partition walls within the dwellings or among the separate dwelling units. Blocks with higher density are produced specially for internal walls in order to increase their noise insulation capacity.

The dimensions of 20, 25, 30 and 35 cm are used for façade enclosure of the buildings, dimensions of 20 and 25 cm are appropriate for non-heated or seasonally used buildings. External walls with YTONG extra⁺ 30 cm meet the requirements of the current regulations regarding the heat insulation for sites with residential, public or industrial purpose, which are used throughout the year.

The AAC blocks **YTONG** are produced of completely natural raw materials – sand, lime, cement, gypsum and water. These natural raw materials are practically inexhaustible in nature. Their production does not disturb the ecological balance and they undergo processing within a closed production cycle with moderate energy consumption.



PRODUCTS

YTONG blocks

B 2,0 / D 350 YTONG extra⁺ — For non- load bearing walls of low energy and passive buildings;
Strength class 2,0 MPa; Density class 350 kg/m³
Thermal conductivity $\lambda_{10 \text{ dry}} = 0,09 \text{ W/mK}$

B 2,5 / D 390 YTONG A⁺ — For non- load bearing walls of energy efficiency buildings;
Strength class 2,5 MPa; Density class 390 kg/m³
Thermal conductivity $\lambda_{10 \text{ dry}} = 0,11 \text{ W/mK}$

B 2,5 / D 440 — For non- load bearing walls;
Strength class 2,5 MPa; Density class 440 kg/m³
Thermal conductivity $\lambda_{10 \text{ dry}} = 0,12 \text{ W/mK}$

B 5,0 / D 600 — for load bearing walls and **bricked earthquake-resistant gaskets**;
Strength class 5,0 MPa; Density class 600 kg/m³
Thermal conductivity $\lambda_{10 \text{ dry}} = 0,16 \text{ W/mK}$

B 5,0 / D 700 — with increased sound insulation capacity;
Strength class 5,0 MPa; Density class 700 kg/m³
Thermal conductivity $\lambda_{10 \text{ dry}} = 0,18 \text{ W/mK}$



YTONG blocks – N+F

YTONG blocks N+F are produced with the same thickness from **100 to 350 mm** and have the same strength and density class as the smooth YTONG blocks.

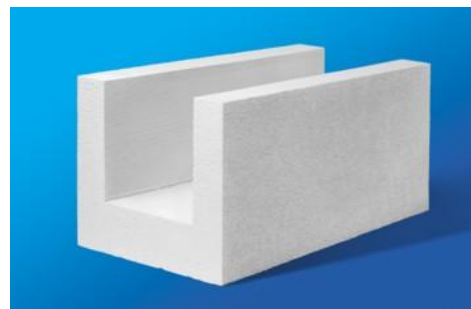
They are connected on the groove and tongue-principle. Using this type of blocks one does not have to put mortar on the vertical side and thus saves time and mortar.



U-shaped YTONG blocks

They are used for pouring reinforced concrete belts without formworks; the blocks are prearranged side by side at a definite height along the wall length.

The U-shaped blocks YTONG facilitate the execution of lintels above doors and windows.



The blocks are made of AAC with a strength class of B 2.5 or B 5 and a density class of D 440 or D 500 by cutting. They are supplied bandaged with a steel band on wooden pallets.

Dimensions (Lxdxh)	Technical characteristics	
	Strength	Density
	MPa	kg/m ³
KB (600x350x250)	B 2,5 (B 5)	D 440 (D 600)
KB (500x350x250)		
KB (600x300x250)		
KB (500x300x250)		
KB (600x250x250)		
KB (500x250x250)		
KB (600x200x250)		
KB (500x200x250)		

Non load-bearing lintels for doors and windows

They are placed in holes in non load-bearing walls.

These are beam elements ready for direct usage.

The lintels are produced after preliminary customer's order.

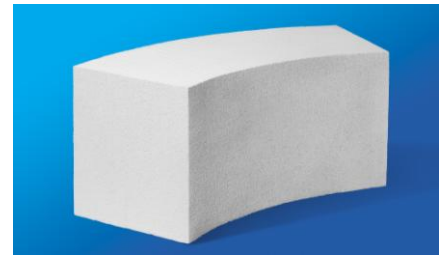


Dimensions (Lxdxh)	Technical characteristics	
	Strength	Density
	MPa	kg/m ³
ЛЛ (1200x100x250)	B 2,5	D 440
ЛЛ (1500x100x250)		
ЛЛ (1800x100x250)		
ЛЛ (2000x100x250)		
ЛЛ (1200x125x250)		
ЛЛ (1500x125x250)		
ЛЛ (1800x125x250)		
ЛЛ (2000x125x250)		
ЛЛ (1200x150x250)		
ЛЛ (1500x150x250)		
ЛЛ (1800x150x250)		
ЛЛ (2000x150x250)		

The blocks are made of AAC with a strength class of B 2.5 or B 5 and a density class of D 440 or D 500 by cutting and gluing, reinforced with steel **A III**.

Arc-shaped blocks YTONG

They are used for construction of walls in full-circle. The blocks are made of AAC with a strength class of B 2.5 or B 5 and a density class of D 440 or D 600 by cutting. The Arc-shaped blocks are produced after preliminary customer's order.



Adhesive brickwork mortar YTONG

For preparation of masonry mortar for gluing YTONG blocks. Dry mixture supplied in paper bags with a weight of 20 kg.



Tools

1. Mixer for adhesive mortar

2. Three-sided right angle

3. Notched blade with a width of [mm]
/75;100;125;150;175;200;250/

4. Board with abrasive paper

5. Groove digger with two knives

6. Flat drills for electric boxes -
Ø 65 mm; Ø 75 mm

7. Rubber hammer - large Gr.4; small
Gr.3

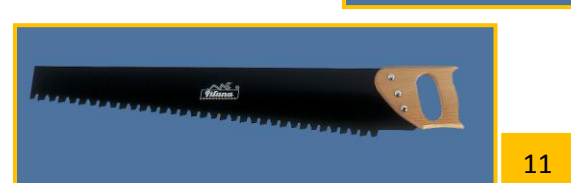
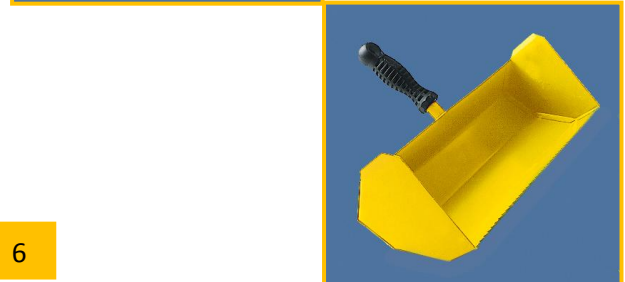
8. Plane for AAC

9. Drill with a long tail – Ø20;30;50

10. Lifting bracket

11. Saw for AAC with hard-melt plates
with 11,13 and 18 hard-melt plates,
length

12. Band-saw for AAC blocks



YTONG in Bulgaria



Single family house, Botevgrad



Residential building, Plovdiv



Outlet center, Sofia



Sport complex, Samokov

XELLA Bulgaria EOOD

1870 Sofia

Industrial zone Kremikovtzi

9300 Dobrich

60 “Treti mart” blvd.

Regional sales managers

Sales

Western Bulgaria

Sofia 02/ 819 33 43

0888/ 28 42 34

Fax: 02/ 819 33 46

0888/ 28 26 67

Dobrich 058/ 65 59 22

Central Northern Bulgaria

Fax: 058/ 65 59 00

0888/ 27 97 11

Consultations

Central Souther Bulgaria

0888/ 28 73 69

0888/ 28 67 53

0888/ 28 46 61

Northeastern Bulgaria

Marketing

0885/ 88 80 44

0888/ 28 43 48

Southeastern Bulgaria

0888/ 28 52 48

0887/ 20 23 05

www.ytong.bg