



PRODUCT CATALOGUE



Bauroc group, with headquarter in Estonia, is the largest manufacturer of autoclaved aerated concrete (AAC) products in Northern Europe operating two modern plants in Estonia and Latvia. The production facilities of both plants come from two of the most famous German manufacturers Wehrhahn and Hess. High quality, purely natural and mineral raw materials as well as modern technology guarantee that bauroc products are among the leading autoclaved aerated concrete products worldwide thanks to their technical properties. Bauroc is a member of the European Autoclaved Aerated Concrete Association EAACA and all products have the CE certification.

Thanks to high quality products, the bauroc brand has become popular in many countries. Bauroc wide range of products are sold in Estonia, Latvia, Lithuania, Sweden, Finland, Denmark, Iceland, Poland, Switzerland and Germany. The brand "bauroc" symbolize a wide range of building products from autoclaved aerated concrete, which are used throughout the field of construction ("bau" means "construction" in German), from residential houses to agricultural and industrial buildings. The second half of the name "roc" means that we produce all our products from stone material – autoclaved aerated concrete.



Ivar Sikk Chairman of the Board

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bauroc represents all of those positive values and properties that have been created within the 19 years of experience:

- $\boldsymbol{\cdot}$ bauroc brand means products that are used throughout the field of construction
- for customers, bauroc means mineral construction material that is environmentally-friendly and does not contain allergens
- $\boldsymbol{\cdot}$ for builders, bauroc means reliable product quality indicators, which conform
- to the highest requirements of European standards
- $\boldsymbol{\cdot}$ bauroc is going to continue active product development in order to provide

customers with modern and integrated solutions that comply to the best standards in the field of the building material industry.

• The experienced team that has been working at our company for all this time is going to continue its activities with the aim of making the process of construction as convenient as possible. We will achieve our goal by means of an expanding product range and flexible and accurate deliveries, to ensure a smooth construction process and a high quality result. We are creating new added value, relying on our long-term experience and maintaining all of the positive aspects we have already achieved in the past.

· bauroc is an integrated solution throughout the field of construction



bauroc INTEGRATED SOLUTION

The product family of bauroc includes blocks, partition wall plates, U-shaped blocks, lintels and ceiling panels of different purpose and with different properties. The dimensions of all of the products are easy to match with each other while constructing the whole building frame from bauroc aerated concrete.

Our integrated solution for building a private house: single-layer exterior wall built from ECOTERM+ blocks without an additional insulation, load-bearing interior walls built from CLASSIC or HARD blocks, lightweight partition walls built from ELEMENT partition wall plates, bauroc LINTELS above windows, ceiling and roofs from bauroc PANELS.

The dimensions of all bauroc products allow matching them with each other easily, which makes the building process look similar to building a toy house from LEGO blocks. The house rises fast and all units and connections are very simple. Because of this, we can claim with confidence that your final result will be a longlasting, safe and energy-efficient stone house.

bauroc products are suitable for building energyefficient houses (low energy, passive energy, and almost zero energy houses), because they bring together the unique properties of aerated concrete, such as; very good insulation capacity, heat accumulation capacity and air-tightness. Heat cost cutting is facilitated by carefully thought-through and real-life tested air-tight and heat-proof structural joints. A house built from bauroc products is simple in structure, its construction is cheap and such a house is perfectly suitable for our northern climate.

- 1. exterior walls
- 2. interior load-bearing walls
- 3. partition walls
- 4. ceilings
- 5. lintels
- 6. staircases
- 7. roofs



bauroc BLOCKS AND PARTITION WALL PLATES

bauroc blocks differ from each other not just in size, they are produced with different recipes of aerated concrete, which is why ECOTERM+, CLASSIC, HARD and ACCOUSTIC blocks have completely different technical properties. Production recipes have been developed depending on the specific purpose of each product. The average density of the material of different blocks is 300...575 kg/m³, compressive strength is 1.8... 5.0 N/mm² and heat conductivity is within 0.072...0.15 W/(m·K). All baroc blocks and partition wall plates comply with the requirements of the standard EVS-EN 771-4:2011 and have a CE-marking.

bauroc ECOTERM+



bauroc ECOTERM+ exterior wall blocks are the flagship of bauroc products. We are dealing here with stone blocks that have the best heat insulation on the market, heat specific conductivity is just 0.072 W/mK. Wall blocks with widths of 500 mm and 375 mm can be used to build a single-layer exterior wall without additional insulation, which makes construction, the provision of the quality of construction, and exercising control over quality simple, fast and cheap. ECOTERM+ 500 and 375 blocks are suitable for building exterior walls in low energy houses and zero energy houses. ECOTERM+ 300 block together with additional insulation of 200mm thick are the best choice for building exterior walls in passive houses.

bauroc CLASSIC



bauroc CLASSIC lightweight blocks have compressive strength of 3.0 MPa, and they are used throughout the construction field. They are suitable for building loadbearing and non-load bearing interior and exterior walls. While building exterior walls, owing to the low heat conductivity of high quality bauroc aerated concrete. bauroc walls with the same thickness always have better insulation properties compared to walls made from any other stone material.

Compared to other construction blocks, bauroc CLASSIC are always more lightweight (smaller load on the foundation and inserted ceilings), better insulation properties (smaller heating expenses) and cheaper.

bauroc UNIVERSAL



bauroc UNIVERSAL 200/300 are lightweight universal blocks that can be used throughout the construction field from private houses to agricultural buildings, for building both load-bearing and non-load bearing exterior walls. UNIVERSAL blocks have smooth surfaces, which allows laying the blocks both flat (the width of the wall is 300 mm) and on edge (the width of the wall is 200 mm). When being laid on edge, the rate of consumption is only 5.6 blocks/ m². When installing the blocks, bauroc THIN JOINT MORTAR can be used as well as standard building mortar. When laying exterior walls with mortar, heat losses through mortar joints should be taken into consideration, these do not usually occur in bauroc THIN JOINT MORTAR joints.

bauroc ELEMENT



bauroc ELEMENT partition wall plates are made from aerated concrete with a dry density of 475 kg/m³ and a compressive strength of fb=3,0 N/mm². The plates are produced in four different widths (150mm; 100mm; 75mm, 50mm). ELEMENT plates with a width of 50 and 75 mm are also suitable for facing old walls, building fireplace and stove encasements as well as wardrobe rooms and shelves. Owing to their large dimensions, bauroc ELEMENT partition walls rise faster than any other block or stone walls. 1m² of wall contains only 4.2 partition wall plates.

bauroc HARD



bauroc HARD blocks are construction blocks with a compressive strength of 5,0 MPa. Hard blocks are used for building works with a higher load capacity. HARD blocks can also be used for building basement walls. In exterior walls, HARD blocks need additional insulation.

Blocks are meant for installation on thin joints, which ensures the smooth surface of blocks and precise dimensions. Thin joints rule out the occurrence of thermal bridges, provide better air-tightness and greater strength of brickwork.

bauroc ACOUSTIC



bauroc ACOUSTIC are the highest density blocks in our product family. ACOUSTIC blocks can be used in buildings with higher sound proof requirement from one room to another. Airborne sound insulation of a wall built from ACOUSTIC blocks that are 250 mm thick is Rw=49dB. To built walls between rooms in apartments (Rw 55 dB) we recommend using multi-layered ACOUSTIC block walls.

Indicator	ECOTERM+	UNIVERSAL	CLASSIC	ELEMENT	ACOUSTIC	HARD
Length (mm)			600			
Width (mm)	300,375,500	200 / 300	100,150,200, 250,300	50,75, 100,150	100,150,250	200,250, 300
Height (mm)	200	300/200	200	400	200	200
pc/ m²	8,3	5,6 / 8,3	8,3	4,2	8,3	8,3
Dry density (kg/m³)	300±25	375±25	425±30	475±25	575±30	535±30
Compressive strength (N/mm²)	1,8	2,5	3,0	3,0	4,0	5,0
Heat specific conductivity λ10dry (W/mK)	0,072	0,09	0,10	0,11	0,14	0,13
Shrinking (mm/m)	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3
Fire resistance	Class A1	Class A1	Class A1	Class A1	Class A1	Class A1
Cold weather performance (cycle)	25	35	35	35	50	50

Indicator	Partition wall plates				Blocks						
Width, mm	50	75	100	150	100	150	200	250	300	375	500
pc/pallet	104	80	60	40	120	80	56	48	40	32	24
Murfor (mm)	40	40	40	40	40	40	90	140	140	190	2X90
Murfor (consumption pc/m²)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
Adhesive consump- tion (kg/m²)	0,9	1,3	1,7	2,6	3,2	4,9	5,7*	6,5	7,5	9,0	11,7
Fire resistance		EI 60	EI 120	R120, El 240	El 120	R 120, El 240	REI 240	REI 240	REI 240	REI 240	REI 240

* when laying UNIVERSAL on edge while building a 200mm thick wall the adhesive consumption is 3.6 kg/m2.

bauroc LINTEL



bauroc LINTELS are used for bridging window and door openings. bauroc LINTELS comply with the harmonized standard EN 12602 and have a CE-marking. Lintels are made from aerated concrete with a dry density of 500 kg/m³ and contain a spacious steel frame, which provides their load bearing capacity of 15 ... 30 kN/m. Lintels must not be loaded with concentrated loads. As a rule, non-load bearing inserted ceiling panels can rest directly on lintels without an additional row of blocks. We also offer non-load bearing lintels with a width of 100 mm, which can be used in bauroc partition walls that are 100mm wide. Lintels are produced with lengths of 1.2...6.0 m and heights of 200 mm, 400 mm or 600 mm. As a rule, lintels that are up to 2m long need a support surface that is at least 20cm long, lintels that are 2.4...4m long need a support surface that is at least 25cm long, and lintels that are over 4m long need a support surface that is 30cm long on both sides.

bauroc U-BLOCK



bauroc U-shaped blocks are produced from ordinary bauroc blocks, in which a U-shaped flume has been cut. U-shaped blocks are used for pouring concrete strips with the aim of reinforcing buildings and, where appropriate, as a support surface beneath ceiling beams, wall plates and panels. U-BLOCKS are suitable for pouring solid-cast concrete lintels.

		Weight				
Product	Length	Height	Width	Depth/width of flume		Kg/pc
U-500	500	200	500	150	200	14,7
U-375	500	200	375	150	200	11,9
U-300	500	200	300	150	150	12,4
U-250	500	200	250	150	150	9,2
U-200	500	200	200	150	120	7,4

Length of a lintel (mm)									
1200	1600	2000	2400	3000	3600	4000	4400	5200	6000
Maximum width of the opening, m									
900	1200	1600	1900	2500	3100	3500	3800	4600	5400
•/13	•/10	•/5	•/3						
•/10	•/ 18	•/ 17							
	•/ 20	•/ 20	•/ 20	••/ 15					
	•/ 20	•/ 20	•/ 20	••/ 15					
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- stock products - product on request / - load-bearing capacity of the lintel, kN/m

bauroc ROOF PANELS



bauroc ROOF PANELS are intended for using in ceilings and roofs in dwellings as a load bearing and heat-proof element. The panels have suitable reinforcement, which provides the load bearing capacity of the panels. The width of bauroc panels is 600 mm and their thickness is 250 mm. Narrower panels 300 mm wide can also be ordered. bauroc panels are produced with lengths of up to 6.0 mm in 200 mm steps. The table does not contain information about all possible lengths of panels in order to save space. bauroc panels can be used gable roofs, i.e. panels can be installed at an angle. When connecting them to the walls it is easy to avoid the occurrence of thermal bridges and provide air-tightness of joints.

Technical specifications of bauroc ROOF PANELS

bauroc WALL PANELS



bauroc WALL PANELS are reinforced aerated concrete panels with a tongue-groove connection, up to 6m long, which can be used for building non-load bearing mountable exterior and interior walls in buildings. The main spheres of application are ordinary fireproof walls (EI) in industrial and warehouse buildings as well as agricultural buildings and shockproof and fireproof walls (EI-M, with a wall width of 200 mm). bauroc wall panels are suitable for building exterior and interior walls in other heated and unheated rooms. bauroc panel walls that are 250 mm wide or more, as a rule, do not need insulation in industrial buildings. The thermal resistance of a panel wall of 250 mm is U=0,57W/m²K.

Width(mm)	Height (mm)	Range of lengths of bauroc roof panels, module/actual (mm)									
600/300	250	2400/ 2387	2800/ 2785	3200/ 3183	3600/ 3581	4000/ 3979	4400/ 4377	4800/ 4775	5200/ 5173	5600/ 5571	6000/ 5969
Weight of p	oanels (kg)	243	284	324	365	405	446	486	527	567	608
Load bearir	ng capacity					5,0 - 6,5	5 kN/m²				
Dry de	ensity		500 ± 30 kg/m³								
Heat con	ductivity					0,13 V	V/mK				

* Additional lengths are available from 1.0 m to 6.9 in 200/199 mm steps.

Technical specifications of bauroc WALL PANELS

Width / height / max. length	Weight, kg	Spheres of application of wall panels.
150 / 600 /6000	381	Fireproof walls EI240, in which case the conformity to a shockproof class is not required
200 / 600 /6000	506	Fireproof walls, class EI-M 90 / EI 240
250 / 600 /6000	626	Fireproof walls, class EI-M 180 / EI 240, suitable for exterior walls, U=0.57 0.49
300 / 600 /6000	747	Fireproof walls, class EI-M 180 / EI 240, suitable for exterior walls, U=0.49 0.41
375 / 600 /6000	929	Fireproof walls, class EI-M 180 / EI 240, suitable for exterior walls, U=0.40.33

bauroc STAIRCASE ELEMENT

bauroc STAIRECASE ELEMENT is a billet of reinforced stair produced from aerated concrete (with final finishing). Staircase elements are produced from aerated concrete with a dry density of 500 kg/m³. bauroc staircase elements can be used to build both the enclosed staircases and staircases opened from below on carrier beams from angle brackets. Staircases built from aerated concrete do not burn, are quiet and do not creak when moving on the stairs.

Length, mm	Width, mm	Height , mm	Weight, kg
900			31
1000	200	175	34
1100	300		37
up to 1200			up to 50

bauroc ADGESIVES AND PU-GLUE

bauroc THIN JOINT MORTAR

bauroc THIN JOINT MORTAR is a fine mineral mortar meant for installing bauroc blocks and partition wall plates, which is made from fine-fractioned quartz sand and white cement. We offer an adhesive mixture for summer use and one for winter use (external temperatures from +5 to -10°C). The adhesives are available as a dry mixture packed in paper bags with a weight of 25 kg.

bauroc REPAIR MIX

bauroc REPAIR MIX is dry mineral mixture, the main ingredients of which are finely powdered dust from bauroc blocks. bauroc REPAIR MIX is intended for filling the passages milled in the walls for cables and pipes and also for repairing dents and chippings before finishing the walls. We offer REPAIR MIX for summer use and winter use with external temperatures from +5 to -10°C. The adhesives are available as a dry mixture packed in paper bags with a weight of 20 kg.

bauroc ACCESSORY MATERIALS



bauroc EASYFIX

bauroc EASYFIX PU-glue is a one-component polyurethane glue for building non-load bearing walls from bauroc partition wall plates or bauroc blocks. is suitable for use as an alternative to mineral THIN JOINT MORTAR. The advantages of bauroc EASYFIX are cleaner and more convenient work and a faster speed of construction, since there is no need to prepare the mixture.

MURFOR EFS



MURFOR EFS is zinc-plated reinforcement with two parallel steel rods, which is intended for use in brickwork laid on light adhesive joints. The range of products includes four different widths and corner elements. Reinforcement is not compulsory, but in order to avoid cracks, we recommend reinforcing block walls with lengths of over 3 m.

Deformation compensator



Deformation compensator is a zinc-plated connector made from sheet steel which is used for connecting walls with uneven joints.

Aluminium pins, seam boards



ALUMINIUM PINS are used for cross-fixing bauroc block walls with partition walls. bauroc SEAM BOARDS are meant for fixing bauroc partition wall plates to each other during installation and help to speed up the construction process - when using seam boards, you don't have to wait for the adhesive to dry.

Bracket, corner



A bracket is a zinc-plated connector made of sheet steel that is used for connecting bauroc walls with walls made from other materials.

bauroc HAND AND ELECTRIC TOOLS

Sledge for glue



bauroc SLEDGE FOR GLUE is meant for applying bauroc THIN JOINT MORTAR on blocks while laying them. The slider helps to apply the adhesive in an even layer, which provides a uniform thickness of the joint throughout the entire brickwork. Sledges in 375mm and 500mm widths apply the thin joint mortar in two ridges, between which there is an air gap that provides thermal insulation of the joint. bauroc SLEDGE FOR GLUE is a very good tool for laying long and straight walls. Sledges are available for all widths of blocks within the range of 150...500 mm.

bauroc DENTED BOARD

FREE INST

bauroc DENTED BOARD is meant for removing dry block adhesive from the wall surface and also for smoothing out uneven wall surfaces.

Square



SQUARE is a necessary tool when sawing blocks with a handsaw.

Socket drill



It is used for drilling holes for sockets and switches. It also allows drilling holes for laying water and air conditioning pipes through bauroc brickwork. Available with diameters of 80 and 120 mm.

Gluing trowel



bauroc DENTED BOARD is meant for removing dry block adhesive from the wall surface and also for smoothing out uneven wall surfaces.

Slot scraper



bauroc SLOT SCRAPER is a necessary tool for milling passages when installing joint reinforcement, wires and pipes in walls.

Sanding board



Bauroc sanding board is used to smooth out any unevenness both on the surface of the blocks during masonry and on the wall surface before finishing them.

Handsaw and bandsaw



It is meant for sawing bauroc blocks at the construction site. Bandsaws are available in two different types: model MBS 650 has a cutting height of 650mm and model MBS 510 has a cutting height of 510mm.

bauroc FITTINGS

bauroc SCREW

bauroc SCREW thread has been specially designed for using with aerated concrete materials. The length of the thread is 60 mm. The diameter of the thread is 8.00 mm and it has a Torx 30 countersunk head. The screw is covered with CorrSeal, which protects it from corrosion. Screws are available with in lengths of 65mm (100 pieces in the box) and 90mm, 100mm and 130mm (50 pieces in the box). bauroc SCREWS can be installed directly in bauroc walls without drilling a hole or, in order to avoid over torqueing, into a pre-drilled hole. bauroc SCREWS are suitable for fixing battens, planking, wall furniture etc. on bauroc block walls. When determining the number of screws that you need, please take into consideration the weight of the item you want to fix and the properties of blocks that are used for building the wall.

Fixing devices for lightweight concrete

Construction and hardware shops carry a wide range of screws and dowel pins from different manufacturers which can be used in bauroc walls. Lighter pictures can be hung on the walls with common nails. As a rule, wall furniture is fixed with bauroc SCREWS. Nylon dowel pins are recommended for items that will need to be removed. Threaded crossbars are recommended for especially heavy items, such as hot water tanks or boilers.



Technical specifications of the bauroc SCREW

bauroc blocks	Pulling load (kN)	Cross load (kN)
Density of the ECOTERM+ material is 300 kg/m³	0,24	0,30
Density of the CLASSIC material is 425 kg/m³	0,47	0,30
Density of the ACOUSTIC material is 575 kg/m³	0,75	0,30

Name of a fixing device		Place of application
Dowel pins KBT; KBTM for lightweight concrete		for fastening kitchen furniture, washbasins, radia- tors, etc.
Nylon dowel pin NAT L		for fastening entrance door frames, curtain poles, shelves, mirrors, etc.
bauroc SCREW	<pre>diminimition </pre>	For fastening battens, planking, furniture, etc.
Frame dowel pin KAT N		for fastening wall battens, inside door frames, window frames, kitchen furniture, shelves, etc.
Thread crossbar + glue mass or casting		for fastening fireproof door frames, metal frames, washbasins, wallplates, etc.

Pulling strength of fixing devices for different components (kN)

bauroc blocks	Material density (kg/m³)	bauroc SCREW	Dowel pin KBT 8	ESSVE lightweight con- crete screw 8x200	Heavy Load
ECOTERM+	300	0,24	0,32	0,43	0,68
CLASSIC	425	0,47	0,61	0,55	2,51
ACOUSTIC	575	0,75	0,79	1,26	2,78

Installation of blocks

bauroc blocks can be laid with either a thin joint (1...3mm) using bauroc THIN JOINT MORTAR (fine-fractioned mortar) or with a thick 1...2cm joint using a standard brickwork mortar. We recommend using thin joint mortar, as thick mortar joints can cause additional heat losses in exterior walls, walls with thin joints are faster and easier to lay and, finally, walls laid with thin joint mortar are smoother and easier to finish. The following instructions are for installing bauroc blocks with a thin joint.

All joints in brickwork must be properly filled with glue. It provides the required strength and air-tightness of brickwork. The glue layer should be thick enough that in the horizontal joint, the block that is being installed will easily force adhesive beyond the edges of the block. When using the bauroc SLEDGE for glue, the correct thickness of adhesive is provided. The adhesive that has been forced out should be allowed to dry slightly before excess adhesive is removed with the edge of the slider or palette knife.

While laying exterior walls from ECOTERM+ blocks without additional insulation, we recommend applying adhesive into the horizontal joint in two ridges, between which there should be an air gap providing additional thermal insulation in the joint. In ECOTERM+ 375 walls the air gap between the ridges of adhesive should be ca 5-7 cm, and in ECOTERM+ 500 walls - 10...15 cm. Using the bauroc SLEDGE for glue, the proper width of the air gap in the joint is provided.



First row of blocks. Tanking should always be installed between the foundation and the first row of blocks. The first row of blocks must be laid with standard mortar. Install the first block and then other blocks tightly to each other (vertical joint - dry). Make sure that each vertical joint has vertical passage(s) at the end of at least one block. Adjust the first row of blocks very accurately into place, using a rubber mallet and a spirit level. After the mortar has set, smooth out the surface of blocks with a scraper and remove excessive dust with a brush.



Vertical joints. Pour water and the Bauroc thin joint mortar into the mixing bowl. Following the instructions on the adhesive bag mix the appropriate adhesive mixture. Then fill the grooves on the ends of the blocks with glue to ensure airtightness of the vertical joints.



MURFOR reinforcement. First of all, apply a layer of block adhesive on the surface of the blocks and fit Murfor in place. Now apply a second layer of adhesive on the surface and then proceed to laying the second row of blocks. If you continue applying Murfor, the overlap should be 250 mm.

Installation of blocks



Next rows of blocks. In accordance with the width of the block, choose an adhesive slider of the correct width and pour bauroc THIN JOINT MORTAR into it. Now distribute the adhesive evenly on the surface of the blocks with the slider. You can also apply adhesive to blocks with an adhesive scoop. After applying the adhesive fit the block in place. In summer, moistening the surface of blocks a little before applying mortar is recommended.



Cutting blocks. The most precise way to cut the blocks is with an electric bandsaw, but it is also very easy to cut bauroc blocks to a size that you need using a handsaw. When installing a filler block make sure that there is a passage(s) on at least one block in the vertical joint. After the adhesive has set to a sufficient extent, where appropriate, smooth out the surface of blocks with a scraper and remove excessive dust. Now fill the passage(s) in vertical joints and raise your guide line one step higher (see picture at the beginning of the page). Then apply adhesive to the next layer of blocks, and repeat the procedure until you reach the top height mark at window and door openings. As a rule, brickwork should be reinforced after every fourth row and always after the first row of blocks. Reinforcement should also be installed beneath window openings and in the support surface of lintels (900 mm).

Installation of blocks



Determine the location of a partition wall and mark it on the walls and the floor. Check the smoothness of the floor and, if necessary, level it. In order to simplify the laying of the wall, fix a vertical support to the existing wall and a board to the floor. According to the instructions on the adhesive package, mix the bauroc THIN JOINT MORTAR Attach a strip of foam polystyrene that is 10 mm thick and as wide as a partition wall plate to the floor with adhesive (you can also use bitumen roll material in two layers). Apply adhesive with a scoop in a uniform layer on the strip of foam polystyrene and on the edge of the partition wall plate. Make sure that the edge of the plate is properly and thoroughly covered with block adhesive! If the underlying surface is uneven, you can use standard mortar for laying the first row of plates.



Install the first partition wall plate in its place and hammer with a rubber mallet. Apply glue to the second edge of the plate and fit it tightly next to the first plate. In order to fix the plates to each other, apply bauroc SEAM BOARDS. This will prevent the wall plates from moving while the glue is setting, and it will be easier to plumb the wall.



In order to fix the partition wall against the existing aerated concrete wall, use an aluminium rod at an angle of 45° against the wall. After laying every row of wall plates, smooth out the surface of the wall with a scraper and remove excessive dust. Now apply aerated concrete adhesive on the surface of the row of wall plates with a scoop in order to start laying the next row.

Finishing bauroc walls

Interior finishing

Due to their smooth surface, bauroc walls do not need plastering as long as any small gaps and imperfections are filled with suitable joint fillers. Standard concrete and interior decoration fillers are suitable. A priming coat must be given to the underlying surface. With respect to surfaces that are to be painted, the most durable underlying surface is guaranteed by gypsum plaster. Ceramic tiles should be fixed to a rough bauroc wall with the help of facing sand. bauroc walls are waterproof, but in damp rooms surfaces should be additionally covered with a waterproof coating.



The surface to be finished should be smooth, clean and

dry. Any passages milled in walls should be filled with bauroc REPAIR MIX beforehand. If excessive adhesive mixture has spread out of the joints in the course of laying the blocks, it should be removed with bauroc SLOT SCRAPER. Before applying filler, the walls must be cleaned from dust with a brush or a vacuum cleaner. If bricklaying has taken place in rainy weather, and the wall is visibly wet (the surface of the wall is grey), then after closing the building frame and switching on heating, let the walls dry for ca 4 weeks, ensuring sufficient ventilation in the building. Where appropriate, switch on induced ventilation, and at the same time, try to avoid fast drying of the walls with intensive heating devices.

Exterior finishing

Plaster render is used for exterior finishing of single-layer walls made of ECOTERM+ blocks. But other finishing materials can also be used, for example, wood cladding or facade bricks.

For covered walls (wood cladding, façade bricks), we recommend plastering or filling the joints on the exterior surface of the wall in order to guarantee the air tightness

of the walls. To plaster the exterior surface of bauroc walls you should use (mineral) plaster mixtures with good vapour conductivity. All horizontal joints must be filled with adhesive properly up to the edge and the wall surface must be smooth and clean before proceeding to plastering. Surface dents and other large damaged areas in walls should be repaired with the help of bauroc REPAIR MIX no more than 2-3 days before plastering. The surface of the wall should be cleaned from excessive adhesive in the joints, from possible splashes and dust using bauroc SLOT SCRAPER and a brush. If the base surface is frozen, it should not be plastered. A priming coat must be applied to the base surface. The thicker



the plaster layer is, the smaller is the likelihood of cracks appearing in the future, since a thick plaster layer better compensates for possible errors in the bricklaying and is more resistant to different weather conditions (lasts longer).

Reinforcing mesh that is used when thin renders are applied should always be placed in the final render coat. The mesh should be located under the surface of the reinforcing layer, away from the base surface. The reinforcing mesh must not be fixed to the wall before plastering, and the render must not be applied to the wall through the mesh. Applications of this nature will guarantee that there will be an insufficient bond between the render and the base surface as the reinforcing mesh will not be positioned just under the surface of the top coat but will have been forced against the base surface. There is no requirement to use reinforcing mesh if fibre-reinforced plastering mixtures with a plaster layer thickness of 15...20 mm are used.

If plastered exterior walls are covered with facade paint, silicone or acrylate paint (latex paints) which have better water vapour conductivity than, for example, acrylic paints should be chosen.

Ask for more detailed instructions about different plastering systems from the manufacturer of the plastering mixture.

When fixing wooden battens and crossbars, you should place a suitable waterproof material between the battens and the wall, for example, bitumen paper.













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