



# Stavoblock facade

## Catalogue sheet

Number sheet : 02

<b>Producer</b>	STAVOBLOCK system, s.r.o. Lezník u Poličky, Česká republika
<b>Norma</b>	ČSN ISO 9001, PN 012001, CCMS 12833-R, ESR-1235, BBA 04/4148 ESR 4797
<b>Materiál</b>	Cement, expanded glass, water, pigment, aditives
<b>Using</b>	For outdoor and inner tiling, facades, baseds, partition walls, noise barriers, redevelopment facades, thermal insulation facades, fencing. Suitable for all types of building structures.
<b>Description</b>	Stavoblock facade bricks are designed for the implementation of diffusion-open facade systems. Installation is carried out in a dry way.

## Technical - building parameters of the brick STAVOBLOCK

Material	vibropressed full coloured leightweight concrete		
Surface finish:	split, smooth		
Strength in compression by ČSN ISO 4012	to 5 MPa	Thermal resistance (to Insul. 100mm)	R = 3,98 m <sup>2</sup> K.W
Frost proof by ČSN 731322	T25	Heat transfer coefficient (Insul.100 mm)	U = 0,25 W/m <sup>2</sup> K
Nasákavost dle ČSN 731316	3-4%	Diffusion resistance $\mu$	6,3
Concent natural radionuclide	do 70 Bg/kg	System thickness (Insul.100 mm)	140 mm
Weight of 1m <sup>2</sup>	21 kg ( $\pm$ 10%)	Thickness of the facade with air gap	40 mm
Consumption per 1 m <sup>2</sup>	21 pcs	Noise attenuation	up to 10 dB
Thermal-insulation thickness	0-300 mm	Fire classification	A1

## Colours:



Stavoblock product is environmentally friendly, full recyclable, without dangerous effects on the environment.

## Stavoblock facade - components

Components	
Components of steel grid	MUNGO Dowel for attaching angle bars to the masonry Type MUNGO MN 12x60
	Treaded rod 8.8 Zn M8 + 2x Lag bolt
	Thermostop 25x100x5
	Support profile L70
	Adjustable extension L100
	Lag bolt M8x12 Zn, DIN 603-4,6 Nut 6HR M8 with serrated flange Zn
	Steel suspension Omega bar, length 2120 mm (vertical)
	Steel bearing Omega bar, length 1900 mm (horizontal)
	Window profile, length 2110 mm
	Parapet profile, length 2120 mm
	Omega bar connecting piece, Clutch bricks
	Expanded metal
Insulating material	ROTAFLEX Super glass wool mats. Type FD 01, thickness 40-300 mm
	Icynene's spray-insulated spray foam
Facade tile	Facade brick 470x100x30, window sill 470x30x200/300

### Product description and definition of how to use:

External mounted STAVOBLOCK facade system with metal grid structure, tile made from light-weight coloured vibropressed concrete and insulation from a glass wool or insulating foam is designed for external insulation of facades of residential, civil and industrial buildings existing and new buildings. Made of masonry, monolithic concrete, prefabricated panels made of concrete, wood or steel. When applying this external mounted thermal insulating, diffusion-open system it is necessary to proceed according to the documentation, which must be processed for each particular object.

A necessary part of the project is the solution of the carrying of the anchoring, the thermal solution technical properties including solution of water vapor condensation - assessment of the state of construction as a whole according to ČSN 730540 and fire release. The installation of the STAVOBLOCK external thermal insulation system can only be carried out by companies or persons that are holder of a valid training certificate for its staff.