

Product name

Stone wool slabs-lamels FACADE LAMELLA

Product description

FACADE LAMELLA are strips cut from mineral wool slabs manufactured with a synthetic binder, in accordance with an appropriate density requirement, and applied where perpendicular layout of fiber to insulated surface is required.

Application

FACADE LAMELLA slabs establish thermal insulation layer in exterior façade systems of buildings and constructions with surface plastering . Designed for buildings with various functions and should be applied during their rebuilding and reconstruction. The product is also applied as thermal insulation of wall sections featuring archy or "curved" surface

Size (mm)

Length	Width	Thickness
1200	150/200	50-200

Water repellence

Water absorption is not more than 1 % by volume

Fire resistance

Stone wool slab FACADE LAMELLA is non-combustible material, fire dangers rating – KM0. Melting point of fibers is above 1000°C

Density

Average density 90 kg/m³

Packing

Stone wool slabs FACADE LAMELLA are packed into polyethylene film

Vapor diffusion

Not less than $\mu = 0,30 \text{ mg}/(\text{m}\cdot\text{h}\cdot\text{Pa})$

Thermal conductivity

Thermal conductivity in dry condition, $\lambda \text{ W}/(\text{m}\cdot\text{K})$, not more than

$\lambda_{10} = 0,039$

$\lambda_{25} = 0,040$

Design values, $\text{W}/(\text{m}\cdot\text{K})$, not more than

$\lambda_A = 0,042$

$\lambda_B = 0,044$

Mechanical properties

Compression strength at 10% deformation is not less than 40 kPa

Delamination strength is not less than 80 kPa.

Fastening

Mechanical fastening is provided by special studs. Number of studs should be calculated by a developer of the facade system. Glue fastening is allowed for FACADE LAMELLA should be applied along the whole surface