

Product name

Stone wool slabs ROOF BATTS EXTRA

Product description

ROOF BATTS EXTRA – rigid water-repellent slabs made of basalt mineral wool. Slabs have a combined structure and consist of rigid upper (external) and lighter lower (internal) layer. Thanks to this slabs have reduced weight and are easy to install.

The upper (rigid) layer is marked

Application

ROOF BATTS EXTRA slabs are used as thermal insulation layer for roof structures made of reinforced concrete and metal covering. The slabs are used for thermal insulation roof structures, including roofs without cement layer.

ROOF BATTS EXTRA slabs are used for single-layer thermal insulation

Size, mm

2000/1200/1000 x 1200/1000/600 x 60-170

Thickness of upper (dense) layer - 15 mm

Density

upper layer 210 kg/m³

lower layer 135 kg/m³

Average density 142-158 kg/m³

Average density depends on slab Thickness.

Fire resistance

Stone wool slab ROOF BATTS EXTRA is non-combustible material fire dangers rating – KM0. Melting point of fibers is above 1000°C

Thermal conductivity

Thermal conductivity in dry condition, W/(m·K), not more than

$\lambda_{10}=0,037$

$\lambda_{25}=0,038$

Design values, W/(m·K), not more than

$\lambda_A=0,039$

$\lambda_B=0,041$

Water repellence

Water absorption is not more than 1,5 % by volume.

Mechanical properties

Compression strength at 10% deformation is not less than 60 kPa

Point load not less than 550H

Delamination strength is 15 kPa

Packing

Stone wool slabs ROOF BATTS EXTRA are supplied on pans or in polyethylene film

Fastening

ROOF BATTS EXTRA slabs are to be fastened to surface mechanically. A number of fastening elements should be calculated accurately