

**Product name**

Stone wool slabs ROOF BATTS C

**Product description**

Stone wool slabs ROOF BATTS C are rigid water-repellent heat-insulated slabs made of basalt mineral wool

**Application**

Applied as a sound and thermal insulation layer for roof structures with protective cover made of concrete

**Size (mm)**

Length	Width	Thickness
2000/1200/1000	1200/1000/600	50-180

**Density**

Average density is 135 kg/m<sup>3</sup>

**Water repellence**

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

**Fire resistance**

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

**Vapor diffusion**

Not less than  $\mu=0,29$  mg/(m·h·Pa)

**Thermal conductivity**

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

$\lambda_{10}=0,037$

$\lambda_{25}=0,039$

Design values, W/(m·K), not more than

$\lambda_A=0,041$

$\lambda_B=0,043$

**Packing**

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

**Mechanical properties**

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

Delamination strength is not less than 7.5 kPa

Stone wool slabs ROOF BATTS C can be placed in several layers prior to protective layer application