ROOF BATTS OPTIMA®

Product name
Stone wool slabs ROOF BATTS OPTIMA

Product description
ROOF BATTS OPTIMA – 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 OPTIMA 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 OPTIMA slabs are used for single-layer thermal insulation

Size, mm
2000/1200/1000 x 1200/1000/600 x 60-200
Thickness of upper (dense) layer - 15 mm

Density
upper layer 200 kg/m^3
lower layer 115 kg/m^3
Average density 122-136 kg/m^3

Average density depends on slab Thickness.

Fire resistance
Stone wool slab ROOF BATTS OPTIMA 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
λ_{10}=0,036
λ_{25}=0,038
Design values, W/(m·K), not more than
$\lambda_{А}$=0,040
$\lambda_{Б}$=0,042

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

Mechanical properties
Compression strength at 10% deformation is not less than 45 kPa
Point load not less than 450H

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

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