

Product name

Stone wool slabs PLASTER BATTS

Product description

PLASTER BATTS – rigid water repellent thermal insulation slabs produced from basalt mineral wool

Application

Stone wool slabs PLASTER BATTS provide thermal insulation layer in exterior wall thermal insulation systems of buildings and constructions with surface plastering along steel supporting net

Size (mm)

Length Width Thickness

1000 600 50-180

Water repellence

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

Fire resistance

Stone wool slab PLASTER BATTS 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 PLASTER BATTS are packed into polyethylene film

Vapor diffusion

Not less than $\mu=0,30$ mg/(m·h·Pa)

Thermal conductivity

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

$\lambda_{10}=0,035$

$\lambda_{25}=0,037$

Design values, W/(m·K), not more than

$\lambda_A=0,039$

$\lambda_B=0,041$

Mechanical properties

Delamination strength is not less than 4 kPa

Compression strength at 10% deformation is not less than 15 kPa

Fastening

Adjustable steel cantilevers should be used for the purpose of fastening. A number of cantilevers is calculated with respect to wind load capacity.

Fabric

Steel welded wire fabric made of galvanized wire should be used for sub-base plaster layer reinforcement