Rockwool Rockton slabs for sound insulation

Product name
Rockwool Rockton slabs for sound insulation.

Product description
Rockwool Rockton are semi-rigid insulation slabs produced of Rockwool stone wool which insulates heat and sound, is non-combustible, moisture and water repellent.

Application
Rockwool Rockton slabs are used for sound insulation within light construction partition walls and storey wooden floors.

Size

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<tr>
<th>Size, mm</th>
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<tr>
<td>Length</td>
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Density
Approximately 50 kg/m³.

Reaction to fire classification
According to standard EN 13501-1, stone wool classified as A1 class of fire classification because: it neither combusts, no products smoke nor flaming particles/droplets.

Declared thermal conductivity
$\lambda_o = 0.036$ W/mK

Water absorption
The average short term water absorption of stone wool is not more than $\leq 0.3$ kg/m².

Water vapour transmission
Water vapour diffusion resistance factor of all stone wool products (unfaced) is $\mu = 1$, just like that of the air.

Moisture absorption
Rockwool stone wool products absorb a very little water from the air. For example, at a relative humidity of 90 % the hydroscopic water content in stone wool is approx. 0.004 % by volume, which is totally unimportant in practice.

Compressive stress
At a deformation of 10 % $\geq 0.5$ kPa.

Sound absorption
$\alpha_w = 0.80$ (when thickness is 50 mm); $\alpha_w = 0.95$ (when thickness is 80 mm); $\alpha_w = 0.95$ (when thickness is 100 mm).

Dimensional stability
The dimensional change of stone wool products does not exceed 1.0 % at a temperature of $+70^\circ$C and at a relative humidity of 90 %.

Packing
Rockwool Rockton are supplied wrapped in plastic.