

DK-I

Heat insulation grains ISORAAB

quick-mix
A trademark of **sievert**



Heat insulation grains made of expanded perlite

acc. EN 14316-1

- building material class A1 (not flammable)
- $\lambda_R = 0.05 \text{ W/(mK)}$
- bulk density: approx. 90 g/l



APPLICATIONS

- for heat insulation of attic ceilings, timber ceilings
- for roofs (between the rafters)
- for walls in timber frame or wall boards

PROPERTIES

- ecologically harmless
- entirely mineral-based
- vapour-permeable

COMPOSITION

- expanded, natural perlite stone

PROCESSING

- ISORAAB DK-I is poured loose and in a dry state into the timber joist ceiling or into the joist sections and scraped off across the joists. This can then be covered e.g. with glass non-woven fabric.
- For areas that can be walked on, it is recommended to nail or screw particleboards or tongue-and-groove boarding onto the joists. A moisture barrier may need to be laid beforehand.
- During renovation work, alternatively the floorboards can be opened in sections approx. every 2 m. ISORAAB DK-I is then poured in and slid in from both sides by hand. The area can then be sealed again with floorboards.
- Before installing in closed compartments covered by floorboards on the top, the material is to be checked for its moisture content.

PACKAGING

- 100 l/bag

STORAGE

- Store dry and as per instructions.

QUANTITY REQUIRED / YIELD

- consumption: approx. 10 l per m² with 1 cm installation height

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TECHNICAL DATA

Grain	0 – 6 mm
bulk density	90 kg/m ³ ± 15%
Thermal conductivity λ	0.05 W/(mK)
Fire behaviour	A1 (non-flammable) in accordance with EN 13501
Colour	natural white

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

SAFETY AND DISPOSAL INSTRUCTIONS

- Completely empty and recycle the packaging.
- Dispose of the material in accordance with the official regulations.

GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.