TBS

Dry fill material

tubag
A trademark of sievert

Dry fill material made of natural expanded clay

- good heat and sound insulation
- building material class A1 (not flammable)
- bulk density: approx. 275 g/l (2-4 mm), approx. 215 g/l (4-8 mm)
- λ_R = 0.085 W/(mK) (2-4 mm) / 0.076 W/(mK) (4-8 mm)

APPLICATIONS

- insulation and levelling fill for new build and renovation as well as drainage fill
- as a fill for pipe ducts, cavities, timber joist ceilings, roof terraces
- as an additive for drainage mortar
- for creating base courses in gardening and landscaping

PROPERTIES

- extremely light
- pressure-resistant
- positionally stable
- quick and easy to apply
- made of natural clay
- rot-resistant
- fire-resistant
- frost resistant
- chemically neutral
- vapour diffusion permeable
- free from elements that interfere with concrete

COMPOSITION

- tubag dry fill material is a pure, natural product with no artificial additives. A special clay is swelled and fired at approx. 1150°C - this creates a refined clay grain with countless enclosed air cells and a firm, coalesced, brick-like outer skin.

PROCESSING

Applying

- Shake out material loosely, level, compact and smooth if necessary.
- In conjunction with the tubag TCE trass compound for single grain mortar, water-permeable base courses can be produced for exterior use. For interior use, bonded thermal insulation fills can be produced. The mixing ratios and the resulting strengths can be found in the Technical Data Sheet for tubag TCE.

PACKAGING

- 50 l/sack

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STORAGE

- Store dry and as per instructions.
- Can be stored for at least 24 months in sealed original container.

TECHNICAL DATA

Grain	2 – 4 mm, 4 – 8 mm
bulk density	Grain size 2-4 mm: approx. 0.275 kg/dm³, grain size 4-8 mm: approx. 0.215 kg/dm³
Thermal conductivity	Grain size 2-4 mm: λ = 0.085 W/(mK), grain size 4-8 mm: λ = 0.076 W/(mK)
Fire behaviour	A1 (non-flammable) in accordance with EN 13501
Colour	brown-grey

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.

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.