



XERAL GB 046

perlite insulating boards

TECHNICAL PRODUCT DATA SHEET

Application:

- WI: Interior insulation of walls to DIN 4108-10
- DI, DEO: Upper and underside ceiling insulation systems: Subterranean garages, basements, passages to DIN 4108-10



Characteristics:

XERAL GB 046 perlite insulating boards are pure perlite insulating boards to DIN EN 13169. XERAL GB 046 perlite insulating boards conform to all current and future demands on energy efficiency and ecology.

- Pure mineral
- High insulating performance (group 046)
- Without biocides
- Non-flammable
- Permeable
- Long-term alkaline
- Highly effective against mould and algae colonization
- Universal grid size 480 x 480 mm



Dimensions:

- Board size: 480 x 480 mm (special sizes on request)
- Thicknesses: 50 / 60 / 80 / 100 / 120 / 140 / 160 / 180 / 200 mm (other thicknesses and special thicknesses on request)
- Dimensional accuracy: +/- 2 mm

Technical data:

Rating	0,045 W / (m · K) (measured according to ISO 8301)
Rated value for heat conductivity λ	0,046 W / (m · K) (to DIN 4108-4)
Fire protection class	A1 (up to 1.200 °C)
Water vapour diffusion resistance (μ)	approx. 3
Water absorption coefficient W	> 2,0 kg / (m ² · h ^{0,5})
pH value	11 - 13
Dry density	approx. 150 kg / m ³
Compressive strength	≤ 0,4 N / mm ²
Composition	Calcium hydroxide, cement expanded perlites

All technical data are characteristic values which have been determined under laboratory conditions on the basis of the applicable test standards. Deviations under practical conditions possible.

XERAL GB 046

perlite insulating boards

TECHNICAL PRODUCT DATA SHEET

XERAL

THE MINERAL INSULATION

Page 2 / 2

Processing:

Please request separate information for each area of application.

Note: Use the opportunity to execute component connections (penetrations, walls, adjacent structural elements, windowsills, eaves etc.) cavity-free with an equivalent XERAL heat insulation plaster.

Delivery form:

- Please find palletizing information in the current delivery range

Storage:

- Store insulating boards dry on pallets and protect from damp and damage
- When properly stored unlimited storage life



Safety precautions:

- Wear protective glasses for working
- Wear regular workwear / protective clothing / work boots



Disposal:

- In its pure state the material is recyclable. Usable in building material recycling
- Insulating board remnants can be disposed of in landfills as class I
- Disposal code: 17 01 01

General information: The information or data in this technical fact sheet is for the purpose of defining normal purpose or normal suitability. All information in this printed matter is based on experience, trials and testing. Any guarantee of the general validity of individual data and statements is, in view of the differing working and on-site conditions, excluded. The generally recognized codes of practice as well as valid standards and guidelines are to be observed. With the publication of this document all earlier issues are invalidated. All rights within the scope of product and application specific developments remain reserved. Please find the latest Information on our website Our terms and conditions of sale apply for all business cases.

Interbran Baustoff GmbH

Interbran Baustoff GmbH have undertaken to make natural raw materials efficiently usable for mankind. By means of intensive research completely new technologies based on natural materials were able to be developed. With its insulating plaster systems the company presents itself as a specialist for high-performance building products and stands for a responsible treatment of resources and the environment.

Consulting service:

Interbran Baustoff GmbH
 Wonnegastr. 155
 67550 Worms-Abenheim
 Telephone: +49 (0) 62 42 | 99 09 25-0
 Telefax: +49 (0) 62 42 | 99 09 25-9
 info@xeral.com
 www.xeral.com