

Last updated:
June 2016

Technical Data Sheet

Interbran Perlite Interior Insulating Plaster 070

Product description:

Interbran Perlite Interior Insulating Plaster 070

is a plaster from mortar group P II (lime cement plaster) with perlite lightweight aggregate and with the thermal conductivity class T 1 of category CS II according to DIN 998-1.

- High productivity due to perlite lightweight aggregate
- As additional insulation indoors for lightweight bricks
- Can be used as interior insulation up to 60 mm without vapour barrier
- Suitable for new buildings and the restoration of old buildings
- Trouble-free disposal

Properties:

- Purely mineral
- Water vapour permeable
- Fire protection class A1 (up to 1200°C)
- High level of mechanical stability
- Machine compatible (with insulating plaster equipment))
- Excellent workability
- Possible coating thickness between 10 mm and 60 mm
- Environmentally friendly because biocide-free
- pH value is 11 - 13

Area of application:

- Suitable for indoor use
- Excellent for use on “soft” surfaces such as lightweight hollow bricks, lightweight concrete or porous concrete
- Can be used as interior insulation up to 60 mm due to the low μ value

Preparation and application:

- Surfaces must be tested for bearing capacity
- The entire surface must be primed with **Interbran base** coat
- Smooth, non-absorbent or low-absorbent surfaces must be grooved, to improve bonding
- Can be applied manually as well as with all commercially available plastering machines
- For manual processing, empty the contents of the bag into clean water, stir until the consistency is smooth and lump-free and, after a maturing time of 5 minutes, mix again
- For machine processing, equipment with a remixer suitable for heat insulation plaster must be used
- The minimum coating thickness must be at least 10 mm and may not exceed 60 mm
- Plaster thicknesses exceeding 30 mm must be applied in several layers and must be left to dry before applying the next layer. Furthermore, suitable reinforcement fabric (alkali-resistant, wide-meshed) must be embedded in the bottom coat of plaster
- The processing time is a maximum of 2 hours
- Material, which has become hard, must not be reused
- Protect against rapid water evaporation caused by sun, wind or draught
- If water evaporates too quickly, the plaster must be kept moist for at least 3 days through hydration
- Do not use in air or structure temperatures below + 5°C or above + 30°C or if night frost is expected

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Surface coating:

- All prevalent surface coatings in qualities Q1 - Q4 can be applied to **Interbran Perlite Interior Insulating Plaster 070**
- All permeable finishing coats/textured plastering can be applied as final coats
- Dispersion based plaster should not be used due the reduced dispersion capacity
- Before applying finishing coats and/or coatings, a drying time of 1 day/mm plaster thickness must be observed.
Coatings are possible as a primer coat and finishing coat with all silicate and silicone resin coatings

Material consumption:

- Bag contents: 15 kg
- Water requirement: approx. 19 Liter
- Yield: approx. 40 litres green/fresh mortar per bag

Plaster thickness	approx. kg/m ²	approx. m ² /bag	approx. m ² /t
20 mm	9	1,6	111
60 mm	27	0,5	37

Technical specifications:

- Category CS II according to EN 998-1
- Binding agents calcium hydroxide, cement
- Aggregate perlite
- Maximum grain size 4 mm
- Water requirement approx. 19 l/bag
- Dry bulk density approx. 300 kg/m³
- Compressive strength approx. 1.6 N/mm²
- Water vapour diffusion resistance factor μ ≤ 15
- Fire protection class A1 (up to 1200°C)
- Thermal conductivity λ 0.070 W/(m*K)
(measured according to ISO 8301)
- Water absorption coefficient $> 3 \text{ kg/m}^2\text{h}^{0.5}$

All technical data are characteristics that under laboratory conditions on the basis of the relevant testing standards were determined. Deviations under practical conditions possible.

Delivery method:

- 15 kg/bag, 27 bags/pallet

Storage:

- Dry storage of bags on pallets, protect against dampness/moisture
- Storage period approx. 12 months
- Material stored longer than 12 months can no longer be used

Safety measures:

- Mortar has a strong alkaline reaction with water; therefore avoid contact with skin and eyes
- Low chromate according to TGRS 613
(Technical Regulations for Hazardous Materials)

Information Service:

You can find more information at www.interbran-perlitputz.de

Mainzer Strasse 4
76344 Eggenstein-Leopoldshafen
Germany

Daimlerstraße 16
69469 Weinheim
Germany

info@interbran-systems.de
www.interbran-systems.de

General information:

The information and specifications on this technical data sheet serve to ensure the normal purpose of application or the normal suitability for use. All information in this leaflet is based on expertise, tests and experiments. A guarantee for the universal validity of individual specifications and information is not given with regard to different processing and construction site conditions. The generally accepted rules of technology as well as the respectively valid standards and guidelines must be observed. All previous versions become invalid upon publication of this leaflet.

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