

Brickpor[®] is an expandable polystyrene granulate (EPS) which is used for increasing the porosity of bricks and as a filler material for concrete and plaster.

Applications:

Due to its small bead size and good expansion properties Brickpor[®] is the material of choice for achieving excellent brick porosity. The clay for the bricks is mixed with loose EPS foam beads which burn up during firing and leave behind innumerable tiny cavities. These cavities increase the thermal resistance of the bricks.

The loose beads can also be mixed with concrete and plaster to increase their insulating properties.

Density range:

11 - 15 kg/m³

Granulate geometry:

Brickpor[®] is supplied as a bead-shaped granulate.

Granulate diameter:

0.3 - 0.8 mm (> 90% by weight)

Pentane content:

> 5.0 % by weight (at the time of packaging)

Water content:

< 0.4% by weight (at the time of packaging)

Packaging and storage:

Brickpor[®] is shipped in octabins (height 176 cm) on wooden pallets (114 x 114 cm), containing 1150 kg net of material.

The octabins are not weather- or water-proof and must therefore not be exposed to outdoor conditions.

In order to obtain the desired properties of Brickpor[®], the raw material should be stored below 20 °C and be processed within one month.

Processing:

Preexpansion:

With discontinuously operating, state-of-the-art preexpanders Brickpor[®] can be preexpanded to densities of approx. 18 kg/m³.

Lower densities can be achieved by double preexpansion or in optimized machines.

Brickpor[®] has been treated with an antistatic agent to prevent a buildup of electrostatic charge during transport of the expanded beads.

Shipping:

ADR-marking: substance no. 2211:

Polymeric beads, expandable

Class: 9

Packing group: III ADR



Safety instructions:

Flammable pentane-air mixtures may be generated during storage and processing of Brickpor®. For this reason adequate ventilation must be ensured (UEG pentane 1.3% by volume). The blowing agent pentane escapes relatively slowly from EPS foam blocks. Thus, when cutting recently moulded blocks, the formation of a flammable pentane-air mixture has to be anticipated.

In addition, all conceivable sources of ignition must be kept away, and the buildup of electric charges has to be prevented.

Please note:

This Technical Notice reflects our current knowledge.

The suitability for concrete applications must be verified by the processor in a technical and legal context.

Subject to technical changes.