Description:

**sunpor® A245** is expandable polystyrene granulate (EPS) which can be processed into rigid foam boards.

**sunpor® A245** contains polymeric flame retardant and is certified to DIN 4102/B1 and EN 13501-1 class E.

Applications:

**sunpor® A245** is mainly processed into PS 15 - 20 blocks used for external thermal insulation composite systems (ETICS). According to DIN 18164/2 insulating foam boards with a density of 15 kg/m³ are, as EPS-W 15, suitable for thermal insulation applications without special loads, such as:

- cavity wall insulation
- interior wall insulation
- interior roof insulation

EPS foam boards with a minimum density of 20 kg/m³ are also used for thermal insulation applications under mechanical loads.

| Density range: | 14 - 20 kg/m³ |
| Granulate geometry: | bead-shaped granulate |
| Typical granulate diameter: | 1.0 - 1.85 mm (> 95 % by weight) |
| Pentane content | > 5.7 % by weight |
| (at the time of packaging): | |
| Water content | < 0.4 % by weight |
| (at the time of packaging): | |

Processing:

> **Pre-expansion:**

With discontinuously operating, state-of-the-art pre-expanders **sunpor® A245** can be pre-expanded to densities of approx. 14 kg/m³. Lower densities can be achieved by double pre-expansion.

**sunpor® A245** has been treated with an antistatic agent to prevent a build-up of electrostatic charge during transport.

> **Intermediate aging:**

Intermediate aging should be between 10 and 48 hours. Higher-density material may easily be processed after a longer time interval without adversely affecting quality.

> **Moulding:**

**sunpor® A245** can be processed in industry standard block moulds.

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 **sunpor® A245**. For this reason, adequate ventilation must be ensured (LEL 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 build-up of electric charges has to be prevented.

Packaging and storage:

**sunpor® A245** is shipped in octabins (height max. 192 cm) on wooden pallets (114 x 114 cm) containing 1,150 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 **sunpor® A245**, the raw material should be stored below 20 °C and be processed within one month.

Please note: This notice reflects our current knowledge. The suitability for specific applications must be verified by the processor from a technical and legal point of view. Subject to technical changes.