

# sunpor<sup>®</sup> A415

Technical data sheet | Revision 08 | February 2026

## Description:

**sunpor<sup>®</sup> A415** is expandable polystyrene granulate (EPS) which is used as a filler material for concrete and plaster.

**sunpor<sup>®</sup> A415** contains polymeric flame retardant and is certified.

## Applications:

The loose beads of **sunpor<sup>®</sup> A415** can be mixed with concrete and plaster to increase their insulating properties.

<b>Density range:</b>	12 - 18 kg/m <sup>3</sup>
<b>Granulate geometry:</b>	bead-shaped granulate
<b>Typical granulate diameter:</b>	0.3 - 0.8 mm (> 95 % by weight)
<b>Pentane content</b> (at the time of packaging):	≈ 5.8 % by weight
<b>Water content</b> (at the time of packaging):	< 0.4 % by weight

## Packaging and storage:

**sunpor<sup>®</sup> A415** 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- nor water-proof and must therefore not be exposed to outdoor conditions.

It is not recommended to stack octabins more than one layer high. In case of double-stacking octabins under controlled conditions, the recommendations laid out in the document „**Instructions for stacking sunpor octabins**“ must be followed.

In order to obtain the desired properties of **sunpor<sup>®</sup> A415**, the raw material should be stored below 20 °C and be processed within one month.

## Processing:

### > Pre-expansion:

With discontinuously operating, state-of-the-art preexpanders **sunpor<sup>®</sup> A415** can be preexpanded in one step to densities of approx. 12 kg/m<sup>3</sup>.

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

**sunpor<sup>®</sup> A415** has been treated with an antistatic agent to prevent a build up of electrostatic charge during transport of the expanded beads.

### > Intermediate aging:

Aging time between first and second expansion step should be between 2 and 6 h.

## Shipping:

<b>UN-Number:</b>	2211
<b>Designation:</b>	Polymeric beads, expandable
<b>Class:</b>	9
<b>Packing Group:</b>	III ADR

## Safety instructions:

Flammable pentane-air mixtures may be generated during storage and processing of **sunpor<sup>®</sup> A415**. 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.