

Versalis Revive® EPS EU3 AE

EPS

Expandable Polystyrene

Versalis Revive® EPS EU3 AE is a new Versalis expandable polystyrene developed for a more sustainable insulation. It contains 15% of post-consumer EPS coming from food packaging, household appliance packaging and seedtrays in accordance with UNI 10667/10 and certified Plastica Seconda Vita (PSV).

Main Properties	Units	Typical Values
Bulk density	kg/m ³	590 - 630
Particle size	mm	0,7 - 1,1
Pentane content	%p	< 6
Minimum apparent density		
<ul style="list-style-type: none"> after one expansion 	kg/m ³	18
<ul style="list-style-type: none"> after two expansions 	kg/m ³	17
Density range normally used	kg/m ³	17 - 25

Key Features

Versalis Revive® EPS EU 3 contains a flame-retardant additive which makes it suitable for building applications. The narrow bead size distribution leads to good filling of the moulds and allows to obtain a very smooth surface. The colour of the raw material is black, once expanded the color will be grey. Versalis Revive® EPS EU 3 AE complies with the CAM requirements (Italian Minimum Environmental Criteria).

Main Applications

Versalis Revive® EPS EU 3 AE is used to produce:

- Shape or block moulding panels for ETICS
- Roof insulation panels
- Floor panels
- Cavity wall

Processing

Versalis Revive® EPS EU 3 AE can be processed with standard technologies using process conditions similar to those of traditional products.

Certifications

Versalis Revive® EPS EU 3 AE is certified Plastica Seconda Vita – PSV.
Versalis Revive® EPS EU 3 AE is certified EuroClass E and LNE.

Storage Conditions

It is recommended to keep the product in a dry well-ventilated store between 15-20°C. For product packed in octabins, the guaranteed shelf-life is one month in the mentioned conditions. During the processing of Expandable Polystyrene any sparks or open flames must be avoided and smoking should be forbidden. Adequate electrical grounding of machinery and of pneumatic conveyance lines is recommended. The boards and moulded parts made of Revive® EPS EU 3 AE should not be exposed to solar radiation and not packed in transparent film. The use of an opaque or white film is strongly recommended. For further information concerning storage, packaging and processing precautions please refer to the relative Safety Data Sheet.

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