

Provisional Technical Data Sheet



Versalis Revive® EPS ES5 AE

Product Description

Versalis Revive® EPS ES5 AE is the new Expandable Polystyrene grade of the Versalis Revive Portfolio which has been developed for a better and more sustainable building insulation. Versalis Revive® EPS ES5 AE contains 80% of post-consumer EPS resulting from the recovery of food packaging, white appliances and seed trays in compliance with the UNI 10667/10 and it is certified "plastica seconda vita" (PSV).

Versalis Revive® EPS ES5 AE has a lower content of pentane for lower emissions, it does not contain CFCs and HCFCs and includes a flame-retardant package.

Versalis Revive® EPS ES5 AE does not have fire certifications but the small flame test conducted by the versalis quality control laboratory according to NF EN 11925-2 shows the passing of EuroClass E. The boards and molded items produced with this raw material must be checked and certified by the converters, according to the Factory Production Control reported in UNI EN 13163.

The color of the not expanded beads is black, once expanded it will have a gray color comparable to Galileo Europa 5 AE.

Technical Data

Bulk density	kg/m ³	500 - 600
Particle Size	mm	1,0 - 1,6
Minimum apparent density		
<ul style="list-style-type: none"> • on a continuous pre-expander after one expansion • on a continuous pre-expander after two expansions • on a discontinuous pre-expander 	kg/m ³	20 17 18
Density range normally used	kg/m ³	17-25

Applications

Versalis Revive® EPS ES5 AE is used mixed with other virgin self-extinguishing EPS (max 30% of Versalis Revive® EPS ES5 AE) to produce:

- Shape or block molding panels for ETICS
- Roof and floor insulation panels
- Cavity wall

Processing

Versalis Revive® EPS ES5 AE can be processed with standard equipment using very similar processing conditions to those used for conventional products

General Information

It is recommended to keep the product in a dry well-ventilated store between 15-20°C. For product packaged in octabins the guaranteed shelf-life is one month from delivery. During processing of Expandable Polystyrene any sparks or naked flames must be avoided and smoking should be forbidden. Adequate electrical grounding of machinery and of pneumatic conveyance lines is recommended. The boards and molded parts made of Revive® EPS ES5 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 'Styrenics - Technical data sheets' and the 'Extir Safety Data Sheet'.

All indicated data refer to natural grades.

The data, information and suggestions are provided for guidance purposes only.

The Company accepts no responsibility for the results obtained therefrom, as neither for their utilization in infringement of possible patent rights.

On the subject of the experimental product the Company reserves the right to change without prewarning the characteristics to optimize the performance and the cost.

This Sheet is valid for six months from the revision date.

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