

Provisional Technical Data Sheet

Versalis Revive® EPS 3000AE

Product description

Versalis Revive® EPS 3000AE is the new grade of Versalis' Expandable Polystyrene portfolio. Following the circular economy approach Versalis Revive® EPS 3000AE has been developed for a new era of sustainable house insulation: it contains the 10% of secondary raw material and a lower pentane content for the lower emissions. Versalis Revive® EPS 3000AE contains also a flame retardant which makes it suitable for building applications. The narrow bead size distribution lead to good filling of the molds and allow to obtain a very smooth surface. The color of the raw material may change depending on the secondary raw material, once expanded the color will be light grey, a very distinctive element. This feature allows you customer to easily find the new recycled material.

Technical data

Bulk density	kg/m ³	590 - 630
Particle size	mm	0,6 - 1,0
Minimum apparent density		
• on a continuous pre-expander after one expansion	kg/m ³	18
• on a continuous pre-expander after two expansions	kg/m ³	Not appl
• on a discontinuous pre-expander	kg/m ³	17
Density range normally used	kg/m ³	18-30

Applications

Versalis Revive® EPS 3000AE is recommended for shape moulding of:

- ETICS
- floor heating panels
- roof insulation
- cavity wall filling

Note: Versalis Revive® EPS 3000AE complies with the CAM requirements.

Processing

Versalis Revive® EPS 3000AE can be processed with standard equipments using very similar processing conditions to those used for conventional products. Versalis Revive® EPS 3000AE can be moulded to produce shaped articles and blocks.

General information

Regarding flame retardant properties, versalis Revive® EPS 3000AE is undergoing certification of Euroclass E according to EN 13163 Annex E. The action of flame retardant additive is exerted only after the elimination of blowing agent and therefore, only after versalis Revive® ESP 3000AE has transformed in modeld articles (suitably aged when necessary).

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. During processing of Expandable Polystyrene any sparks or naked flames must be avoided and smoking should be forbidden. Adequate electrical earthing of machinery and of pneumatic conveyance lines is recommended. For further information concerning storage, packaging and processing precautions please refer to "Styrenics - Technical data sheets" and to the "Extir Safety DataSheet".

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 month from the revision date.

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