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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 15% of secondary raw material and a lower pentane content for lower emissions. Versalis Revive® EPS 3000AE contains also a flame retardant which makes it suitable for building applications. The narrow bead size distribution leads to good filling of the molds and allows to obtain a very smooth surface. The colour of the raw material may change depending on the secondary raw material, once expanded the color will be light grey. This feature allows your customer to easily identify this product. Versalis Revive® EPS 3000AE complies with the CAM requirements (Italian Minimum Environmental Criteria) and is certified 'PSV'.

Technical data

Bulk density	kg/m ³	590 - 630
Particle size	mm	0,6 - 1,1
Minimum apparent density		
• on a continuous pre-expander after one expansion	kg/m ³	19
• 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	17-30

Applications

- Versalis Revive® EPS 3000AE is recommended for:
- insulation boards moulded or cut from blocks (ETICS)
 - floor heating panels
 - roof insulation
 - cavity wall
 - infill panels for insulation

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

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 grounding of machinery and of pneumatic conveyance lines is recommended. The boards and molded parts made of Revive® EPS 3000AE should not be exposed to solar radiation and not packaged 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'. Regarding flame retardant properties, Revive® EPS 3000AE raw material is officially certified Euroclass E according to EN 13163 Annex E. The flame retardant properties of the finished product are effective only after blowing agent removal and after a proper aging time.

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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