



Versalis Extir® CM Galileo Europa AE

EPS

Technical Data Sheet

Expandable Polystyrene

Versalis Extir® CM Galileo Europa type 3 AE and 5 AE is a self-extinguishing, dark grey expandable polystyrene with flame retardant properties. The beads of Versalis Extir® CM Galileo Europa AE have a narrow dimensional distribution and low content of foaming agent. Versalis Extir® CM Galileo Europa AE contains an atherman additive that minimizes heat conduction, giving excellent thermal insulation properties to the manufactured products. Versalis Extir® CM Galileo Europa AE is not suitable for food contact.

Technical Information

	Unit	CM Galileo Europa 3 AE	CM Galileo Europa 5 AE
Bulk density	kg/m ³	590 - 630	590 - 630
Beads size	mm	0,7 – 1,0	0,9 – 1,8
Typical pentane content	%	< 6	< 6
Minimum apparent density			
• After one expansion	kg/m ³	17	16
• After two expansions	kg/m ³	Non appl.	12
Usual density range	kg/m ³	17 – 30	12 - 25

For more information, please refer to the technical bulletin "EXTIR® for building"

Applications

Versalis Extir® CM Galileo Europa type 3 AE and 5 AE achieves excellent performance in applications of:

- Insulation of external walls
- Insulation of walls and cavities
- Roof insulation



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Processing

Versalis Extir® CM Galileo Europa AE range products can be processed in three steps

Pre-expansion	Versalis Extir® CM Galileo Europa AE can be pre-expanded to the densities indicated above with common continuous or discontinuous pre-expanders
Aging	The aging time of the expanded beads is between 10 and 48 hours. It may vary according to the desired density and climate conditions.
Molding	It can be molded in any type of EPS press or block in a wide range of vaporization conditions.

Certifications

✓ Euroclass E, ✓ LNE, ✓ B1 nach DIN4102

Versalis Extir® CM Galileo Europa AE is officially certified Euroclass E EN 13501-1, compliant with EN 13163 Annex E. For the products bearing French certification (LNE) or german certification (B1 nach DIN4102) certificates are provided on request. The flame-retardant properties of the finished product are effective only after blowing agent removal and after a proper aging time.

Storage



Keep the product in a dry well-ventilated store between 15 and 20°C.



For product packaged in octabins and stored correctly, the guaranteed shelf-life is one month from delivery.



Versalis Extir® CM Galileo Europa AE molded panels and products should not be exposed to direct sunlight or wrapped in plastic film. We strongly recommend using opaque or white packaging.

Safety

During the processing of Expandable Polystyrene, an explosive atmosphere may be generated due to air / pentane mixtures. For this reason, all possible causes of ignition such as open flames or sparks must be avoided, it is necessary to work in adequately ventilated places and a smoking should be forbidden. Adequate electrical grounding of machinery and of pneumatic conveyance lines is recommended. The product is HBCD-free and does not contain any CFCs or HCFCs. For further information relating to storage, packaging and processing precautions, please refer to the Technical Bulletin "Styrenics - Technical data sheets" and to the "Versalis Extir® CM Galileo AE Safety Data Sheets".

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