



Versalis Extir® CM Galileo Europa 5 GOLD AE

EPS

Technical Data Sheet
Expandable Polystyrene

Flame retardant

Versalis Extir® CM Galileo Europa 5 GOLD AE is a self-extinguishing, black expandable polystyrene with excellent insulation properties. The beads of Versalis Extir® CM Galileo Europa 5 GOLD AE have a narrow dimensional distribution and a reduced content of blowing agent. Versalis Extir® CM Galileo Europa 5 GOLD AE contains an atherman additive that minimizes heat conduction, which gives the best thermal insulation properties to the manufactured products. Versalis Extir® CM Galileo Europa 5 GOLD AE is not suitable for food contact.

Technical Information

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

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

Applications

Versalis Extir® CM Galileo Europa 5 GOLD AE achieve excellent performance in application of:

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



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Processing

Versalis Extir® CM Galileo Europa 5 GOLD AE range products can be processed in three steps.

Pre-expansion	Versalis Extir® CM Galileo Europa 5 GOLD AE can be pre-expanded to the densities indicated above with common continuous or discontinuous expanders.
Maturazione	The aging time of the expanded beads is between 10-48 hours. It may vary according to the desired density and climate conditions.
Stampaggio	It can be molded in any type of EPS press or block in a wide range of vaporization conditions.

Certifications

✓ Euroclass E, ✓ LNE,

Versalis Extir® CM Galileo Europa 5 GOLD AE is officially certified Euroclass E EN 13501-1, compliant with EN 13163 Annex E. For the products bearing French certification (LNE) 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 5 GOLD 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 Sheet".

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