



CM Galileo Europa 5 GOLD AE

Technical data sheet
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Flame retardant-Excellent thermal insulation - HBCD-free - Does not contain CFC and HCFC - Reduced pentane content

Extir® CM Galileo Europa 5 GOLD AE is an expandible black coloured polystyrene with improved insulation properties. The beads have a very low dimensional dispersion and a reduced content of blowing agent. Extir® CM Galileo Europa 5 GOLD AE contains an atherman additive which minimize heat conduction, giving the best thermal insulation properties to the molded pieces. Extir® CM Galileo Europa 5 GOLD AE is HBCD-free and does not contain CFC or HCFC. The product is not suitable for food contact.

Applications

Thanks to its superior insulation properties, Extir® CM Galileo Europa 5 GOLD AE can be used for:

- Cavity wall insulation
- Thermoacoustic panel coupled with plasterboard

Technical Informations

Beads size	mm	0,9-1,6
Bulk density	kg/m ³	590-630
Typical pentane content	%	<6
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	12
on a discontinuous pre-expander	kg/m ³	15
Usual density range	kg/m ³	12-25

For more information, please refer to the brochure "EXTIR for building"

Processing

Extir® CM products can be processed in three steps.

- Pre-expansion** Extir® CM Galileo Europa 5 GOLD AE can be pre-expanded to the densities indicated above with continuous or discontinuous traditional pre-expanders. Lower densities can be achieved with double expansion.
- Aging** Beads' aging time could be between 10 and 48 hours. It may vary according to the desired density and climate conditions.
- Molding** Extir® CM Galileo Europa 5 GOLD AE can be molded in common block molds.

The final products have excellent thermal insulation properties.

Certifications

✓**Euroclass E** ✓**LNE**, on demand ✓**B1 nach DIN4102**, on demand

Extir® CM Galileo Europa 5 AE raw material are 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 DIN 4102), 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- 20°C.

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

The boards and molded parts made of Galileo Europa 5 GOLD AE should not be exposed to solar radiation and packed in transparent film. The use of an opaque or white film is strongly recommended.

Safety

During the processing of Expandable Polystyrene, an explosive atmosphere could be created due to air / pentane mixtures. For this reason, all possible causes of ignition such as naked 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. For further information relating to storage, packaging and processing precautions, please refer to the Technical Bulletin "Styrenics - Technical data sheets" and to the "Extir Safety Data Sheets".

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. However the Company will provide the guaranteed values for each product on demand.
