



CM Galileo IO M 5 AE

Technical data sheet

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Flame retardant - Improved insulation - HBCD-free - Does not contain CFC and HCFC - Reduced pentane content

Extir® CM Galileo IO M 5 AE is an expandable light grey coloured polystyrene, with flame retardant properties. The beads have a very low dimensional dispersion and a reduced content of blowing agent. Extir® CM Galileo IO M 5AE contains an atherman additive which minimize heat conduction, giving excellent thermal insulation properties to the molded pieces. Thanks to its particular formulation, it has a higher sunlight stability than other gray EPS. Extir® CM Galileo IO M 5 AE is HBCD-free and does not contain CFC or HCFC. The product is not suitable for food contact.

Applications

Thanks to its insulation properties, Extir® CM Galileo IO M 5 AE can be used for:

- ETICS
- Roof insulation
- Floor insulation

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

Finished products present great sintering, low shrinkage and good surface appearance

Certifications

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

Extir® CM Galileo IO M 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 IO M 5 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".