



versalis

Mbx.info.styrenics@versalis.eni.com

TECHNICAL DATA SHEET

Extir[®]
Expandable polystyrene

CM Galileo Europa 5 AE

Product description

Extir CM is the new range of expandable products produced using Continuous Mass technology. All the products have a very low dimensional dispersion and a reduced content of blowing agent. Extir CM does not contain CFC or HCFC.

Extir CM Galileo Europa 5 AE contains an atherman additive that reduces heat transfer and the items produced with it, grey in colour, have excellent thermal insulation properties. Its particular formula permits the use of thinner boards to get the same thermal resistance.

Technical data

Bulk density	kg/m ³	590 - 630
Particle size	mm	0,9 - 1,6
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
Density range normally used	kg/m ³	12 - 25

Applications

Extir CM Galileo Europa 5 AE achieves optimum thermal insulation performance. It is therefore recommended for :

- cavity wall insulation
- floor insulating boards
- ETICS

Processing

All grades in the Extir CM range can be processed with standard equipment using very similar processing conditions to those used for conventional products. They can be block moulded then hot wire cut to produce boards or profiled items and press moulded for items with a minimum thickness of a few cms.

The resulting items show good fusion, low shrinkage and a good surface finish.

General information

It is recommended that the product be kept in a dry well ventilated store between 15-20°C.

For product packaged in octabins the guaranteed shelf-life is one month; product in steel drums has a six month guaranteed shelf-life.

During processing of Expandable Polystyrene any sparks or naked flames must be avoided and smoking should be forbidden. Adequate electrical earthing of machinery and of pneumatic conveyance lines is 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, articles made from Extir CM Galileo Europa 5 AE are officially certified "B1 nach DIN 4102".

The flame retardant additive is effective only after removal of the blowing agent and, therefore, only after Extir AE has been transformed into foamed articles (suitably aged where necessary).

Issue 01/17

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.
