



versalis

TECHNICAL DATA SHEET

Extir[®] CM Galileo Europa 5 Gold AE

Expandable polystyrene

Product description

Extir CM is the new expandable products range produced with the new 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 Gold AE contains an atherman additive that reduces heat transfer, and the items produced with it, grey in colour, have the best thermal insulation properties. Its particular formula permits the use of thinner boards to get the same thermal resistance.

Extir CM Galileo Europa 5 Gold AE is an HBCD-free flame retardant expandable polystyrene.

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	16
Density range normally used	kg/m ³	12 - 25

Applications

Extir CM Galileo Europa 5 Gold AE achieves maximum thermal insulation performances.

It is recommended for:

- cavity wall insulation
- ETICS



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Processing

All the grades in the Extir CM range can be processed with conventional equipment using very similar processing conditions to the one used for conventional products. The grades in the Extir CM range are used for block moulding and subsequent hot wire cutting to get boards or profiled items and press moulding for items with a minimum thickness of a few cm.

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.

The boards obtained from CM Galileo Europa 5 Gold AE raw materials could heat up and show deformation when exposed to direct sunlight; it is therefore recommended to pack them with an opaque film.

For further information concerning storage, packaging and processing precautions please refer to "Styrenics - Technical data sheets" and the "Extir Safety Data Sheet". The action of the flame retardant additive is exerted only after the elimination of blowing agent and, therefore, only after Extir AE has been transformed into foamed articles (suitably aged where necessary).

