

# Isofoam IF 5mm

# Isofoam CF 5mm

Product	Isofoam IF 5mm, Isofoam CF 5mm	
Supplier	MASTERPLAST Kft., 8143 Sárszentmihály, Árpád u. 1/a (www.masterplastgroup.com)	
Size, packaging	Isofoam IF 5mm: 1,1m*50fm = 55m <sup>2</sup> /roll; Isofoam CF 5mm border strip: 10cm*50fm	
Application	Isofoam IF is installed as an impact sound insulation on intermediate ceilings in floated screed structure, but it is also applicable for covering concrete works in winter conditions. Its for narrow rolls cutted version, Isofoam CF, as a border strip serves against sound bridges and the transmission of impact sound along connecting walls, around floor penetrations (e.g. pipes).	
Material	Extruded, non-cross-linked and closed cell Polyethylene	

Properties	Relevant standards	Technical data
Length	EN 822	50m (±1%)
Width	EN 822	110cm (±1%)
Thickness	EN 823	5 (±0,5)mm
Mass per unit area	EN 1602	110g/m <sup>2</sup> (±10%)
Density	EN 1602	21 kg/m <sup>3</sup> (±5%)
Tensile strength (on a 50mm wide sample)	EN 12311-2	80 N/5cm / 60 N/5cm
Elongation (on a 50mm wide sample)	EN 12311-2	100% / 75%
Dimensional stability (35°C, 120h, 2kN/m <sup>2</sup> )		<1%
Thermal conductivity (λ)	EN 12667	0,061W/mK
Impact sound insulation, ΔL <sub>w</sub> (under 45mm-thick estrich, on a 14cm-thick reinforced concrete slab)	EN 140-8	17dB
Dynamic stiffness	EN 29052-1	104MN/m <sup>3</sup>
Water absorption (after a 28-day-long total immersion)	EN 12087	~5,5%
Water vapour resistance factor (μ)	EN ISO 12572	3650
Water vapour diffusion-equivalent air layer thickness (S <sub>d</sub> )	EN ISO 12572	~19m
Reaction to fire	EN 13501-1	F
Temperatur resistance		(-)30°C - (+)70°C

#### Storage and handling

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against moisture and rain. Depending on the environmental conditions - temperature, ventilation -, within some days after the production, small amounts of isobutan - used during the production - is released from the foam, that are heavier than air and concentrates at ground level, so proper ventilation is necessary during storage and transportation. Isobutane is highly inflammable, it must be kept away from ignition source and avoid electrostatical discharges!

#### Guarantee, warranty

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims.

#### Standards, specifications

EN 140-8, EN 29052-1

#### Health and safety

No labelling required in accordance with the relevant regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH).

This datasheet corresponds to our current knowledge, experiences and general informations on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the designer/end-user's responsibility to make sure of the suitability of this product for particular purposes, structures.

**This technical datasheet is applied to products sold by Masterplast Kft., after 27th May 2010. and valid until withdrawal or until modification.**

Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (\*see date of issuing). Most recent version of this datasheet can be also accessed under [www.masterplastgroup.com](http://www.masterplastgroup.com).