


# Isofoam IF 10mm

# Isofoam CF 10mm

Product	Isofoam IF 10mm, Isofoam CF 10mm	
Supplier	MASTERPLAST Kft., 8143 Sárszentmihály, Árpád u. 1/a (www.masterplastgroup.com)	
Size, packaging	Isofoam IF 10mm: 1,0m*50fm = 50m <sup>2</sup> /roll Isofoam CF 10mm border strip: 10cm*50fm Other sizes are also available.	
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 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 (LD-PE)	

Properties	Relevant standards	Technical data
Length	EN 822	50m (±1%)
Width	EN 822	100cm (±1%)
Thickness	EN 823	10 (±1)mm
Mass per unit area	EN 1602	245g/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	150 N/5cm / 95 N/5cm
Elongation (on a 50mm wide sample)	EN 12311-2	100% / 75%
Compression strength (compression of 10%; 25%; 50%)		min 4,0kPa / min 40kPa / min 105kPa
Thermal conductivity (λ)	EN 12667	0,050W/mK
Impact sound insulation, ΔL <sub>w</sub> (tested on a 5mm thick sheet, under 45mm-thick estrich, on a 14cm-thick reinforced concrete slab)	EN 140-8	min 18dB
Water vapour resistance factor (μ)	EN ISO 12572	~3650
Water vapour diffusion-equivalent air layer thickness (S <sub>d</sub> )	EN ISO 12572	~38m
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

ÉME (Hungarian Technical Approval) A-128/2011

#### 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. 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). Modification of the technical datasheet repeals the previously issued versions!