

Product:	Isomaster XPS SV, Isomaster XPS BT, Isomaster XPS SVR, Isomaster XPS BTR
Distributor:	MASTERPLAST Kft. 8143 Sárszentmihály, Árpád u. 1/a
Size, packaging:	Size of sheets: 1250mm×600mm, thickness: 20-100mm; packaging: in bale. Surface: smooth or rough(R); edge profile: flat (SV) or rebated (BT)
Application:	Sheets with flat surface: thermal insulation of domestic floors, cavity walls; conventional flat roofs, parapet walls, pitched roofs or as thermal insulation in sandwich panels. Sheets with rough surface: in lost formworks, against cold bridges or as plaster base, covered with plastering and reinforced with glassfiber mesh.
Material:	Extruded Polystyrene (XPS)

Properties	Test method	Technical data
Length	EN 822	1250 (± max. 10) mm
Width	EN 822	600 (± max. 8) mm
Squariness	EN 824	max.: 5mm/m
Flatness	EN 825	max.: 7mm (under 1000mm) max.: 14mm (between 1000 and 2000mm)
Thickness	EN 823	T1 (± 2)mm (<50mm) T1 (+3; -2)mm (50-100mm)
Thermal conductivity (λ_d)	EN 12667	0,031 W/mK (20mm) 0,034 W/mK (30-40mm) 0,036 W/mK (50-100mm)
Compressive stress or compressive strength at 10 % deformation	EN 826	CS(10)200-300: 200 - 300kPa
Dimensional stability (48h, 23±2°C, relative humidity: 90±5%)	EN 1604	DS(T)H: max 5%
Long term water absorption by immersion	EN 12087	WL(T) 0,7: <0,5%
Long term water absorption by diffusion	EN 12088	WD(V)5: max 5% (<50mm) max 3% (100mm)
Water vapour transmission (μ)	EN 12086	100-200
Reaction to fire	EN 13501-1	E

Designation and classification of the product

XPS EN 13164-T1-CS(10/Y)200-300-DS(TH)-MU100-WD(V)5-WL(T)0,7

Storage and handling

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against moisture and rain.

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 13164, EN 13172

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 the current knowledge on the subject, but may be revised as new knowledge and/or experience becomes available. 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 01st January 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.