

Product:	Isomaster EPS H-80-G	
Supplier:	MASTERPLAST Kft. 8143 Sárszentmihály, Árpád u. 1/a www.masterplastgroup.com	
Size, packaging:	50cm×100cm boards in bale, thickness: 2-25 cm	
Application:	Thermal insulation material, made of expanded polystyrene for facade thermal insulation systems. The special raw-material makes possible the lower applied thickness of EPS boards, that is especially useful e.g. around windows. Apply the Thermomaster Fix Premium for bonding. Use ISOMASTER EPS H-80-G Silver for surfaces exposed to direct sunlight, during the bonding phase in hot weather circumstances. Proper mechanical fixing is necessary. Apply the base coat as soon as possible!	
Material:	Grey expanded polystyrene (EPS) with improved thermal conductivity	

Properties	Relevant standards	Technical data
Thickness	EN 823	T1 (±1mm)
Length	EN 822	L2 (±2mm)
Width	EN 822	W2 (±2mm)
Squariness	EN 824	S2 (±2mm/1000mm)
Flatness	EN 825	P5 (±5mm)
Bending strength	EN 12089	BS125 (min. 125kPa)
Compressive stress or compressive strength (at 10 % deformation)	EN 826	CS(10)80 (min. 80kPa)
Dimensional stability under constant normal laboratory conditions	EN 1603	DS(N)2 - (in case of 23°C and 50% humidity: ≤0,2%)
Dimensional stability under specified temperature and humidity conditions	EN 1604	DS(70,-)3 - (in case of 70°C and 48 hours: ≤3%)
Tensile strength perpendicular to the surface	EN 1607	TR150 (min. 150kPa)
Reaction to fire	EN 13501-1, EN ISO 11925-2	E
Thermal conductivity (λ_D)	EN 12667	0,032 W/(m.K)
Thermal resistance (by 50mm nominal thickness)	EN 12667	1.55 m ² .K/W
Water vapour resistance factor (μ)	EN 12086	20-40

Designation and classification of the product
EPS-EN 13163-T1-L2-W2-S2-P5-BS125-CS(10)80-DS(N)2-DS(70)3-TR150

Storage and handling
Keep under dry conditions, protect against moisture and rain. It is necessary to protect against radiant heat and direct UV-radiation during storage! After bonding the EPS-G boards onto the facade, it must be covered by the base coat as soon as possible, within some days!

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
MSZ EN 13163, MSZ EN 13172, MSZ 7573

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

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