CT LAMPDOPOR

• Improving the insulating properties of EPS has resulted in innovation: the 'grey EPS' is the new dimension in thermal insulation standards.

• The presence of infra-red reflecting and absorbing additives reduces the penetration of heat radiation. As a result the desired insulation can be achieved with sheets that are up to 20 percent thinner than standard EPS.

• CT LAMPDOPOR, with a bulk density of 16 kg/m achieves a thermal conductivity of 0,032 W/(mK).

• It is dimensionally stable and with low water vapour diffusion resistance factor (μ=20-40) of grey EPS, the wall breathes well, so there will be no condensation, mould and dampness on indoor of the insulated wall.

TECHNICAL SPECIFICATIONS	UNIT	DESCRIPTION									TOLERANCE	STANDARD
Material		Expandable Polystrene Insulation Board (Carbon Reinforced)									EPS-TS	TS EN 13163
Density	kg/m³	16									-1	-
Width x Lenght	mm	500 1000									± 2 mm (W2) ± 2 mm (L2)	TS EN 822
Thickness	mm	30	40	50	60	70	80	100	120	140	± 1 mm (T2)	TS EN 823
Fire behaviour	-	E										TS EN 13501-1
Thermal conductivity declared value (10°C)	W/mK	0,032									-	TS EN 13163
Thermal resistance	m²K/W	0,90	1,25	1,55	1,85	2,15	2,50	3,10	3,75	4,35	-	TS EN 13163
Max. service temperature	°C	75									-	-
Squareness	mm/m	S2									2 mm/m	TS EN 824
Flatness	mm/m	P4									± 5mm/m	TS EN 825
Dimensional stability	%	DS(N)2									± % 0,2	TS EN 1605
Bending strength (min.)	kPa	BS 100									-	TS EN 12089
Compressive strength (min.)	kPa	CS(10)60									-	TS EN 826
Compressive creep	kPa	10									CC(2,5/2/10)10	TS EN 1606
Water absorbtion by total immersion	%	WL(T)2									≤ % 2	TS EN 12087
Dimensional stability at specific temperature and humidity	%	DS(70,90)1									≤ % 1,0	TS EN 1604
Capilary absorbtion	-	No									-	-
Packaging material	-	Nylon bag									-	-
Packaging amount	piece-m²/package	16-8	12-6	10-5	8-4	7-3,5	6-3	5-2,5	4-2	3-1,5	-	-