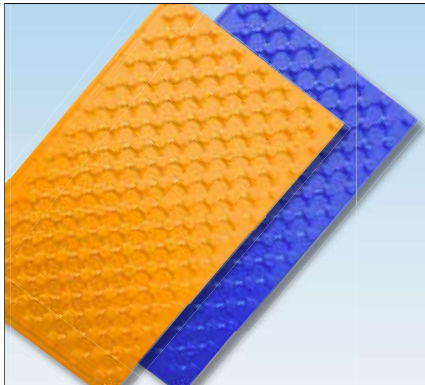


The floor heating system with radiant panels



STIROFLOOR

Thermoformed expanded polystyrene boards, CFC and HCFC free, with a high-impact polystyrene film (HIPS), with stubs and interlocking, according to the European Norm EN 13163, for the realization of heating systems with radiant floors.

Useful dimensions: 1200x700 mm

Pitch: 5

Technical properties	STIROFLOOR 150	STIROFLOOR 200	M.U.	Norm
EPS Class	150	200	-	EN 13163
Useful Length	1200	1200	mm	EN 822
Useful Width	700	700	mm	EN 822
Dimensional tolerance on length and width	± 0,6	± 0,6	%	EN 822
Dimensional tolerance on thickness	± 2	± 2	mm	EN 823
Diameter of heating pipe (recommended)	16÷18	16÷18	mm	-
Pitch (wheelbase of laying)	5	5	cm	-
Squareness	± 2	± 2	mm/m	EN 824
Compressive strength at 10% max deformation	≥150	≥200	kPa	EN 826
Declared thermal conductivity λ_D at 10°C	0,034	0,033	W/mK	EN 12667

STIROFLOOR 150 - 200			
Product	m ² /board	Board n./pallet	m ² /pallet
Stirofloor 35	0,84	20	16,80
Stirofloor 40	0,84	16	13,44
Stirofloor 43	0,84	14	11,76
Stirofloor 50	0,84	12	10,08
Stirofloor 60	0,84	10	8,40
Stirofloor 65	0,84	9	7,56
Stirofloor 70	0,84	8	6,72

Packaging in cardboard boxes with two-sides opening and cross straps.

The boxes are put on EPS planks.



Values of thermal resistance R_D of the insulating boards used in function of the effective thickness. (The effective thickness - "average effective thickness" was calculated according to the Norm EN 1264-3)

STIROFLOOR 150 - 200: mm 1200x700 (stub 20 mm)				
Product	CLASS 150		CLASS 200	
	EFFECTIVE thickness (mm) Norm 1264-3	R_D (m ² K/W)	EFFECTIVE thickness (mm) Norm 1264-3	R_D (m ² K/W)
Stirofloor 35 (15+stub)	18,1	0,50	18,1	0,55
Stirofloor 40 (20+stub)	22,0	0,65	22,0	0,65
Stirofloor 43 (23,5+stub)	25,5	0,75	25,5	0,75
Stirofloor 50 (30+stub)	32,0	0,90	32,0	0,95
Stirofloor 60 (40+stub)	42,5	1,25	42,5	1,25
Stirofloor 65 (45+stub)	47,0	1,35	47,0	1,40
Stirofloor 70 (50+stub)	52,0	1,50	51,0	1,55

The values of R_D in orange cells are the minimum values established by the Norm EN 1264-4