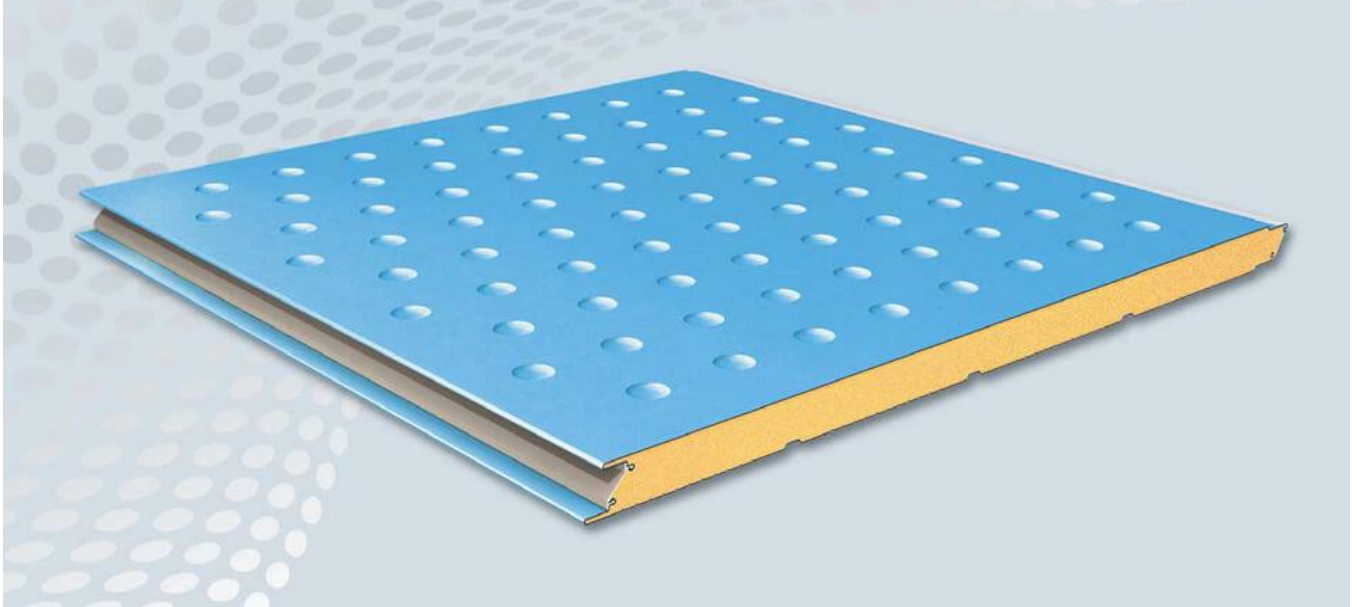


Termopareti ® Bubble

They have been studied to create original architectural impressions and they can be used in industrial, commercial, residential building and public utilities for the new buildings and for restructures.



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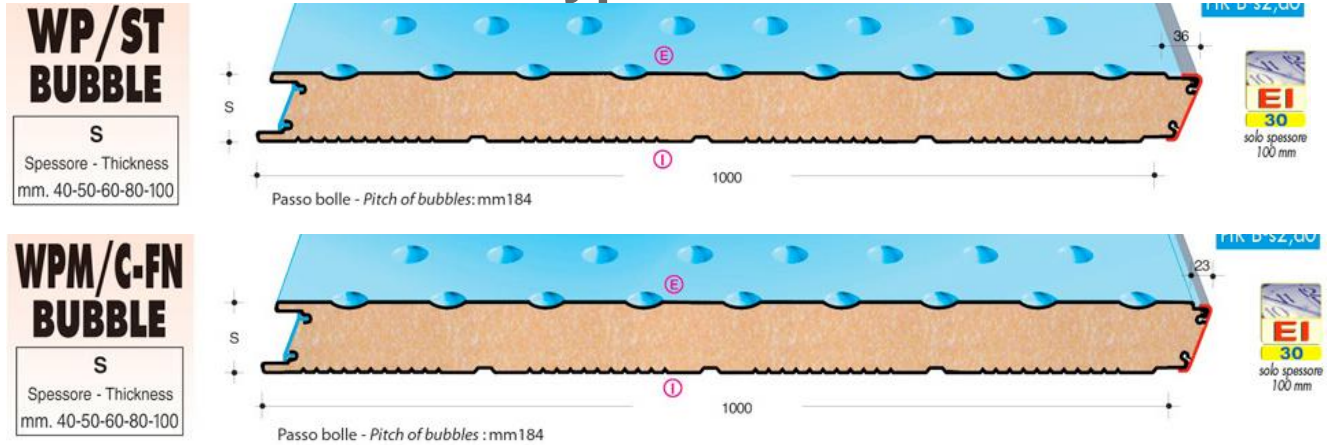
The panels **TERMOPARETI® BUBBLE** (patented) are available in different types and are unlike the traditional panels. In fact they have been studied to create original architectural impressions and they can be used in industrial, commercial, residential building and public utilities for the new buildings and for restructures.

The panels can be used for continuous and/or discontinuous external walls, internal partitions and ceilings, The product, thanks to its characteristics, can be widely employed and architects and designers have freedom of choice in a wide range of materials and colours. The panels can be used on any type of structure such as metallic, concrete and wood and their erection can be vertical, horizontal or inclined. The panels have a joint and they are fixed with specific accessories. The peculiarity of the panels **BUBBLE** is on the external surface: pressed spherical imprints on the steel that give an impressive architectural effect to the building.

The imprints are negative respective the external side of the support and they can be realized on different materials such as galvanized and/or prepainted steel, aluminium, stainless steel and copper. Elements with thermic cut such as rounded and right corners, edges and spherical connections, are finishing that complete and bring out the **TERMOPARETI® BUBBLE**

I pannelli **TERMOPARETI® BUBBLE** (brevettati) sono dotati di un profilo continuo in PVC ad incastro speciale, sul lato femmina, per dare maggiore stabilità al fissaggio ed evitare distacchi delle lamiere dall'isolamento, sia durante la manipolazione che in fase di montaggio.

Types



Technical and performance characteristics

Supports

STEEL AND PREPAINTING – S 250 GD+Z UNI EN 10147

ALLUMINIUM – alloy 3105 physic estate H46 EN 508/2

COPPER – CW 024A – R240 EN 1172

ACCIAIO INOX – AISI 304 2B UNI 10372

Insulation

PUR Density 40 Kg/m³ – B1 DIN 4102

$\lambda = 0,0020$ Kcal/mqh° C

Thickness

mm. 40-50-60-80-100

Support conditions

S thickness mm	U		weight Kg/m ²	U.M.	SPAN IN m ℓ									
	Kcal m ² ·h·°C	W m ² ·°C			2,00	2,50	3,00	3,50	4,00	2,00	2,50	3,00	3,50	4,00
40	0,461	0,536	10,15	Kg/m ² KN/m ²	166 1,63	125 1,22	90 0,88	70 0,68	55 0,54	178 1,74	140 1,37	108 1,05	85 0,83	70 0,68
50	0,372	0,433	10,53	Kg/m ² KN/m ²	225 2,21	160 1,57	120 1,18	90 0,88	70 0,68	245 2,41	182 1,78	140 1,37	115 1,13	90 0,88
60	0,313	0,364	10,91	Kg/m ² KN/m ²	289 2,83	216 2,12	142 1,39	115 1,13	85 0,83	321 3,15	237 2,32	181 1,77	141 1,38	115 1,13
80	0,237	0,276	11,67	Kg/m ² KN/m ²	455 4,46	316 3,09	227 2,22	160 1,57	120 1,18	500 4,91	365 3,58	280 2,74	215 2,11	145 1,42

LOAD CONDITIONS WITH STEEL SUPPORTS

The values shown in the tables are indicative and referred to a deflection $f \leq 1/200$ of the span ℓ (m) for panels with thickness of STEEL 0,5+0,5 mm.

For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE marking. The letter \textcircled{I} \textcircled{E} shows the required painted side.

S thickness mm	U		weight Kg/m ²	U.M.	SPAN IN m ℓ									
	Kcal m ² ·h·°C	W m ² ·°C			2,00	2,50	3,00	3,50	4,00	2,00	2,50	3,00	3,50	4,00
40	0,461	0,536	5,16	Kg/m ² KN/m ²	108	64	41	27	19	149	95	64	44	32
					1,06	0,62	0,40	0,26	0,18	1,46	0,93	0,63	0,43	0,31
50	0,372	0,433	5,56	Kg/m ² KN/m ²	150	92	60	41	29	194	129	89	63	46
					1,47	0,90	0,58	0,40	0,28	1,90	1,26	0,87	0,61	0,45
60	0,313	0,364	5,96	Kg/m ² KN/m ²	191	121	81	56	40	237	162	114	83	62
					1,87	1,18	0,79	0,55	0,39	2,32	1,59	1,11	0,81	0,61
80	0,237	0,276	6,76	Kg/m ² KN/m ²	272	180	125	89	65	317	225	165	124	95
					2,67	1,76	1,22	0,87	0,63	3,11	2,20	1,62	1,21	0,93

LOAD CONDITIONS WITH ALUMINIUM SUPPORTS

The values shown in the tables are indicative and referred to a deflection $f \leq 1/200$ of the span ℓ (m) for panels with thickness of ALUMINIUM 0,6+0,6 mm.
For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE marking. The letter \odot shows the required painted side.