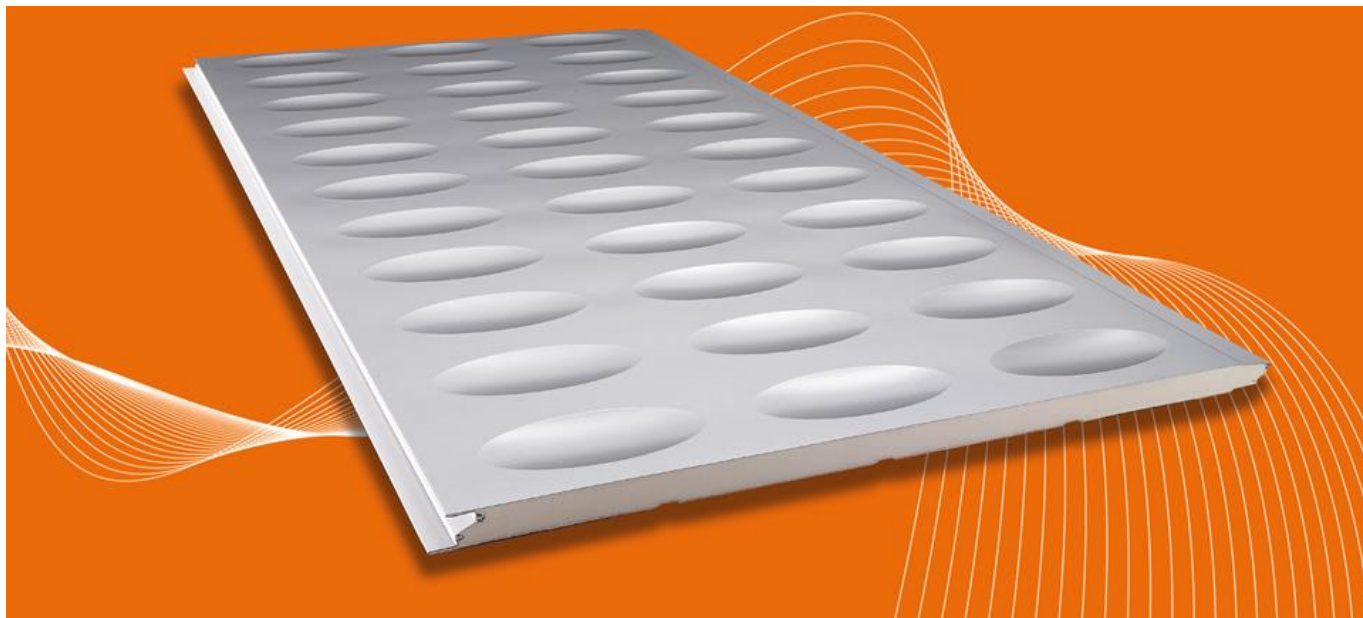# Termopareti ® Rugby

The panels TERMOPARETI "RUGBY®" (patented) have been studied to create original architectural impressions with an extraordinary design innovation. A new goal that, up until today, was considered unimportant in the field of thermoinsulating panels.
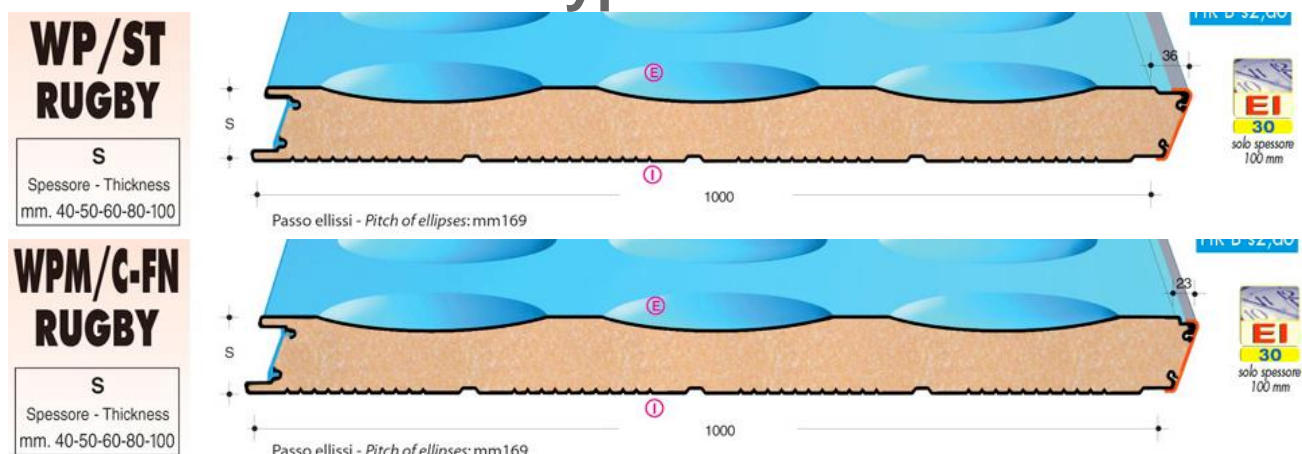
The panels **TERMOPARETI® "RUGBY"** (patented) have been studied to create original architectural impressions with an extraordinary design innovation. A new goal that, up until today, was considered unimportant in the field of thermoinsulating panels. They are available in different thicknesses and colours, and they can be used in industrial, commercial, residential building and public utilities, for new buildings and renovations.

The imprints are negative respective the external side of the support and they can be realised on all materials normally used for profiling such as galvanized and/or prepainted steel, aluminium, stainless steel and copper. The peculiarity of the panels is on the external surface: important and significant elliptic imprints pressed on the steel.

Elements with thermic cut such as rounded and right corners, edges and spherical connections are finishing that complete and bring out the TERMOPARETI® RUGBY. The panels TERMOPARETI® RUGBY (patented) are equipped with a special continuous PVC fixed-in profile to increase the overall fixing stability of the panel and to avoid detachments of the supports from the insulation either during handling them or in the working phase.

Types

WP/ST RUGBY
S
Spessore - Thickness
mm. 40-50-60-80-100

Passo ellissi - *Pitch of ellipses*: mm 169

WPM/C-FN RUGBY
S
Spessore - Thickness
mm. 40-50-60-80-100

Passo ellissi - *Pitch of ellipses*: mm 169

Performance and technical characteristics

Supports
STEEL AND PREPAINTING UNI EN 10169
ALUMINIUM – lega 3105 – physic state H46 UNI EN 1396
COPPER – Cu-DHP – R240 EN 1172
STAINLESS STEEL – AISI 304 UNI 10372
Insulation
PUR Density 40 Kg/m3 – B1 DIN 4102
λ = 0,0022 Kcal/mqh° C
Thickness
mm. 40-50-60-80-100

Support conditions

spessore mm thickness mm	Kcal U m²h°C	W m²°K	peso weight Kg/m²	U.M.	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/m²	166	125	90	70	55	178	140	108	85	70
				KN/m²	1,63	1,22	0,88	0,68	0,54	1,74	1,37	1,05	0,83	0,68
50	0,372	0,433	10,53	Kg/m²	225	160	120	90	70	245	182	140	115	90
				KN/m²	2,21	1,57	1,18	0,88	0,68	2,41	1,78	1,37	1,13	0,88
60	0,313	0,364	10,91	Kg/m²	289	216	142	115	85	321	237	181	141	115
				KN/m²	2,83	2,12	1,39	1,13	0,83	3,15	2,32	1,77	1,38	1,13
80	0,237	0,276	11,67	Kg/m²	455	316	227	160	120	500	365	280	215	145
				KN/m²	4,46	3,09	2,22	1,57	1,18	4,91	3,58	2,74	2,11	1,42
100	0,191	0,222	12,63	Kg/m²	470	345	260	200	160	510	390	285	225	180
				KN/m²	4,60	3,38	2,55	1,96	1,57	4,99	3,82	2,79	2,20	1,76

CONDIZIONI DI CARICO CON SUPPORTI IN ACCIAIO
I valori indicati nelle tabelle prevedono una freccia f ≤ 1/200 della luce ℓ (m) e si riferiscono ai pannelli con spessore dei supporti in ACCIAIO 0,5+0,5 mm. Per il dimensionamento e la verifica riferirsi all'allegato E della norma UNI EN 14509 e ai valori dichiarati nella certificazione CE. La lettera Ⓔ Ⓘ indica il lato eventualmente preverniciato.
Trasmittanza termica in accordo al punto A.10 UNI EN 14509 / Thermal insulation values according to the new EN 14509 A.10 norm

SUPPORT CONDITIONS
The values indicated in the tables foresee a deflection f ≤ 1/200 of the span ℓ (m) and are referred to panels with STEEL supports having thickness of 0,5+0,5 mm. For dimension and check refer to the norm UNI EN 14509 enclosed "E" and to the values declared in the CE certification. The letter Ⓔ Ⓘ shows the required painted side.

spessore mm thickness mm	Kcal U m²h°C	W m²°K	peso weight Kg/m²	U.M.	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/m²	108	64	41	27	19	149	95	64	44	32
				KN/m²	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/m²	150	92	60	41	29	194	129	89	63	46
				KN/m²	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/m²	191	121	81	56	40	237	162	114	83	62
				KN/m²	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/m²	272	180	125	89	65	317	225	165	124	95
				KN/m²	2,67	1,76	1,22	0,87	0,63	3,11	2,20	1,62	1,21	0,93
100	0,191	0,222	7,56	Kg/m²	290	235	180	110	90	310	255	190	135	100
				KN/m²	2,84	2,30	1,76	1,08	0,88	2,94	2,49	1,86	1,32	0,98

CONDIZIONI DI CARICO CON SUPPORTI IN ALLUMINIO
I valori indicati nelle tabelle prevedono una freccia f ≤ 1/200 della luce ℓ (m) e si riferiscono ai pannelli con spessore dei supporti in ALLUMINIO 0,6+0,6 mm. Per il dimensionamento e la verifica riferirsi all'allegato E della norma UNI EN 14509 e ai valori dichiarati nella certificazione CE. La lettera Ⓔ Ⓘ indica il lato eventualmente preverniciato.
Trasmittanza termica in accordo al punto A.10 UNI EN 14509 / Thermal insulation values according to the new EN 14509 A.10 norm

SUPPORT CONDITIONS
The values indicated in the tables foresee a deflection f ≤ 1/200 of the span ℓ (m) and are referred to panels with ALUMINIUM supports having thickness of 0,6+0,6 mm. For dimension and check refer to the norm UNI EN 14509 enclosed "E" and to the values declared in the CE certification. The letter Ⓔ Ⓘ shows the required painted side.