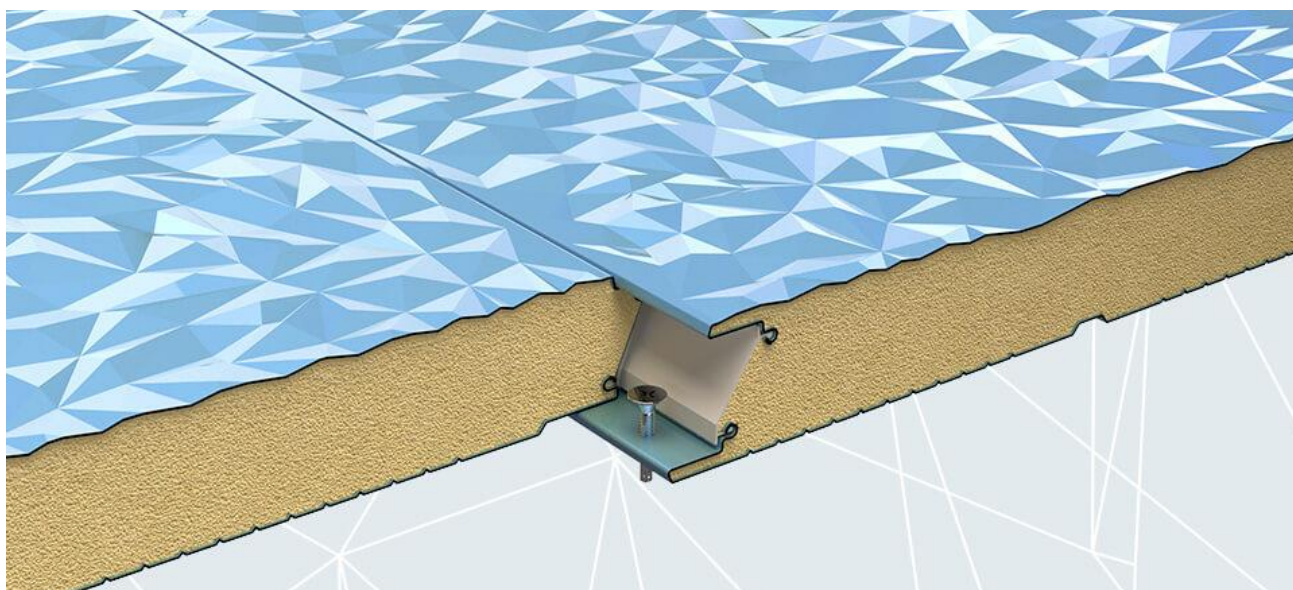


Termopareti ® Caos

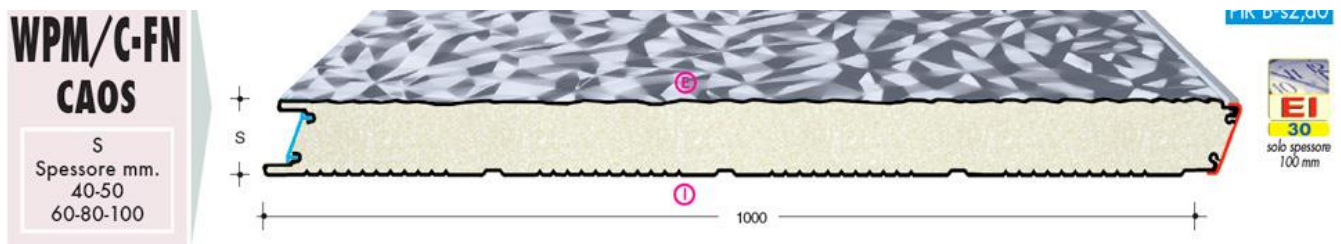


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The panels TERMOPARETI® **CAOS** (patented) have been studied to create original architectural impressions and can be used in industrial, commercial, residential building and public utilities, for new buildings and renovations. The CAOS panel can be used for continuous and/or discontinuous external walls, internal partitions and ceilings and on any type of structure such as metallic, concrete and wood, and their installation can be vertical, horizontal or inclined. The panels have a joint and they are fixed with specific accessories.

The peculiarity of the panels CAOS is on the external side: particular and different geometric shapes obtained from an innovative and unique system specifically developed by ELCOM SYSTEM S.p.A. to form the external surface, reaching an extremely dynamic effect never seen before on the market of metallic insulated panels. The imprints are positive respective the external side of the support and they can be realised 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 used to complete and improve more and more the **TERMOPARETI® CAOS**



Matter comes to life

The panels TERMOPARETI® CAOS (patented) have been studied to create original architectural impressions and can be used in industrial, commercial, residential building and public utilities, for new buildings and renovations. The CAOS panel can be used for continuous and/or discontinuous external walls, internal partitions and ceilings and on any type of structure such as metallic, concrete and wood, and their installation can be vertical, horizontal or inclined. The panels have a joint and they are fixed with specific accessories.

A revolutionary irregular texture.... spreading into CAOS

The peculiarity of the panels CAOS is on the external side: particular and different geometric shapes obtained from an innovative and unique system specifically developed by ELCOM SYSTEM S.p.A. to form the external surface, reaching an extremely dynamic effect never seen before on the market of metallic insulated panels. The imprints are positive respective the external side of the support and they can be realised 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 used to complete and improve more and more the TERMOPARETI® CAOS.

An innovative design to animate spaces



Technical characteristics and performances:

Supports:

STEEL – S 250 GD according UNI EN 10346 norm, mechanical characteristics as D.M. of 14/01/2008 and tolerances according UNI EN 10143 Norm

ALUMINIUM – UNI EN 1396 with 150 Mpa minimum yielding limit

COPPER – UNI EN 1172 ; COR-TEN

STAINLESS STEEL – according UNI EN 10088-1 Norm

Insulation:

PUR Density 40 kg/m³

Thickness:

40 – 50 – 60 – 80 – 100 mm

Standard panel width:

1.000 mm

Wide range of colors and finishes



Support conditions

LOAD CONDITIONS WITH STEEL SUPPORTS: The values shown in the tables are indicative and referred to a deflection $f < 1/200$ of the span l (m) for panels with thickness of STEEL supports $0,5+0,5$ mm. For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE certification. The letter I – E shows the required painted side.

LOAD CONDITIONS WITH ALUMINIUM SUPPORTS: The values shown in the tables are indicative and referred to a deflection $f < 1/200$ of the span l (m) for panels with thickness of ALUMINIUM supports $0,6+0,6$ mm. For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE certification. The letter I – E shows the required painted side.

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

CONDIZIONI DI CARICO CON SUPPORTI IN ACCIAIO

I valori dei carichi riportati nelle tabelle sono indicativi; si riferiscono ad una freccia $f \leq 1/200$ della luce l (m) per 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 marcatura C€. La lettera $\textcircled{1}$ $\textcircled{2}$ indica il lato eventualmente preverniciato.

spessore mm	Kcal m ² ·h·°C	W m ² ·°C	Kg/m ²	U.M.	Distanza tra gli appoggi in mm									
					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	108	64	41	27	19	149	95	64	44	32
					KN/m ²	1,06	0,62	0,40	0,26	0,18	1,46	0,93	0,63	0,43
50	0,372	0,433	5,56	Kg/m ²	150	92	60	41	29	194	129	89	63	46
					KN/m ²	1,47	0,90	0,58	0,40	0,28	1,90	1,26	0,87	0,61
60	0,313	0,364	5,96	Kg/m ²	191	121	81	56	40	237	162	114	83	62
					KN/m ²	1,87	1,18	0,79	0,55	0,39	2,32	1,59	1,11	0,81
80	0,237	0,276	6,76	Kg/m ²	272	180	125	89	65	317	225	165	124	95
					KN/m ²	2,67	1,76	1,22	0,87	0,63	3,11	2,20	1,62	1,21
100	0,191	0,222	7,56	Kg/m ²	290	235	180	110	90	310	255	190	135	100
					KN/m ²	2,84	2,30	1,76	1,08	0,88	2,94	2,49	1,86	1,32

CONDIZIONI DI CARICO CON SUPPORTI IN ALLUMINIO

I valori dei carichi riportati nelle tabelle sono indicativi; si riferiscono ad una freccia $f \leq 1/200$ della luce l (m) per 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 marcatura C€. La lettera $\textcircled{1}$ $\textcircled{2}$ indica il lato eventualmente preverniciato.