

SERBOND®

FACCIAE ARCHITETTONICHE



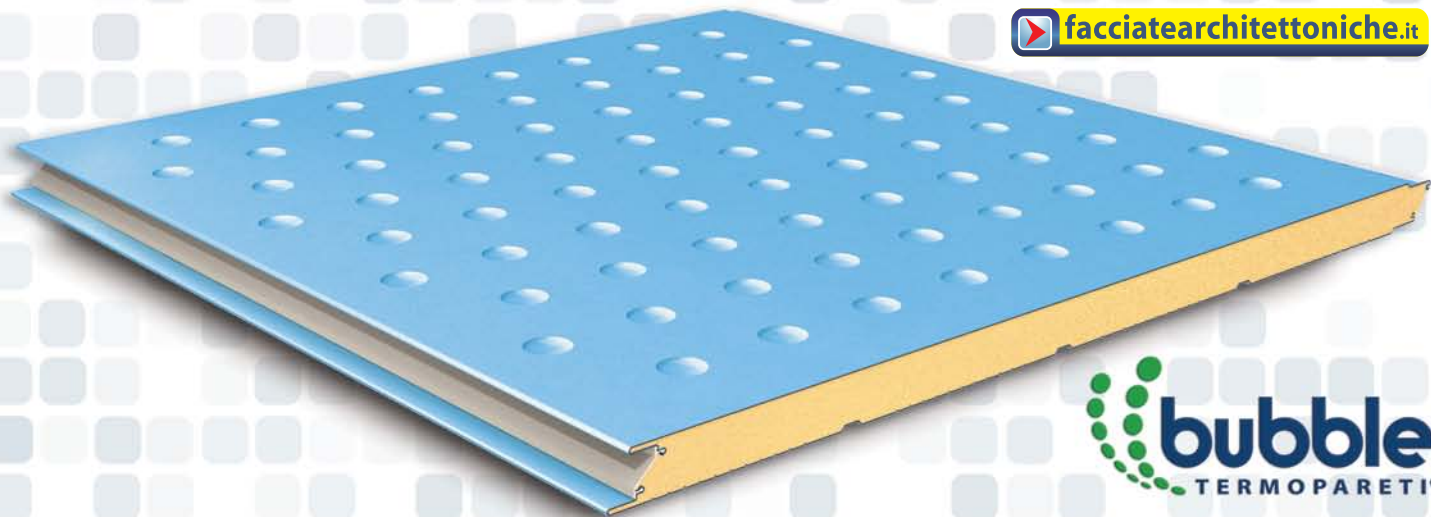
PANNELLI
elcom system
PERUGIA

Benvenuti nel mondo dei Sistemi

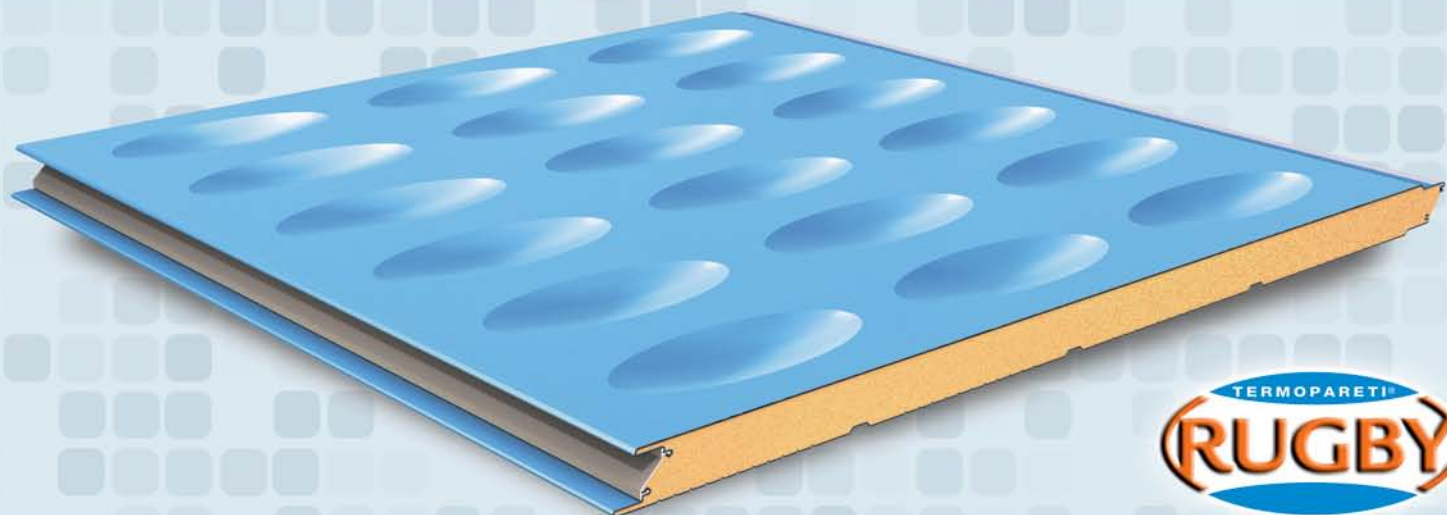


LE GEOMETRIE

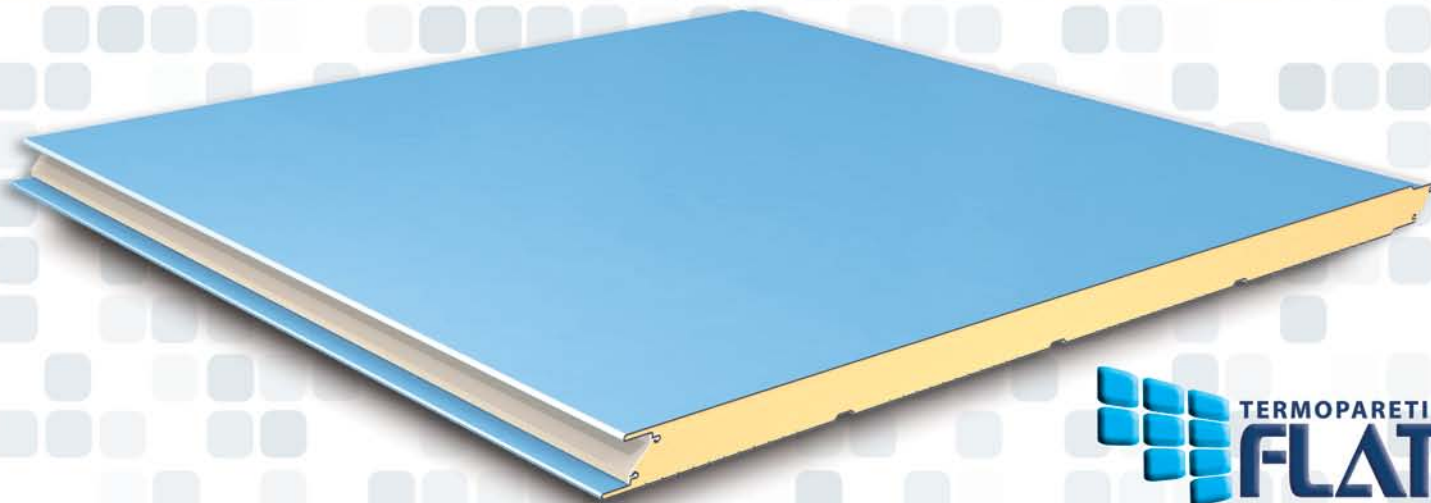
**ARDITE REALIZZAZIONI
CHE FANNO ARCHITETTURA**



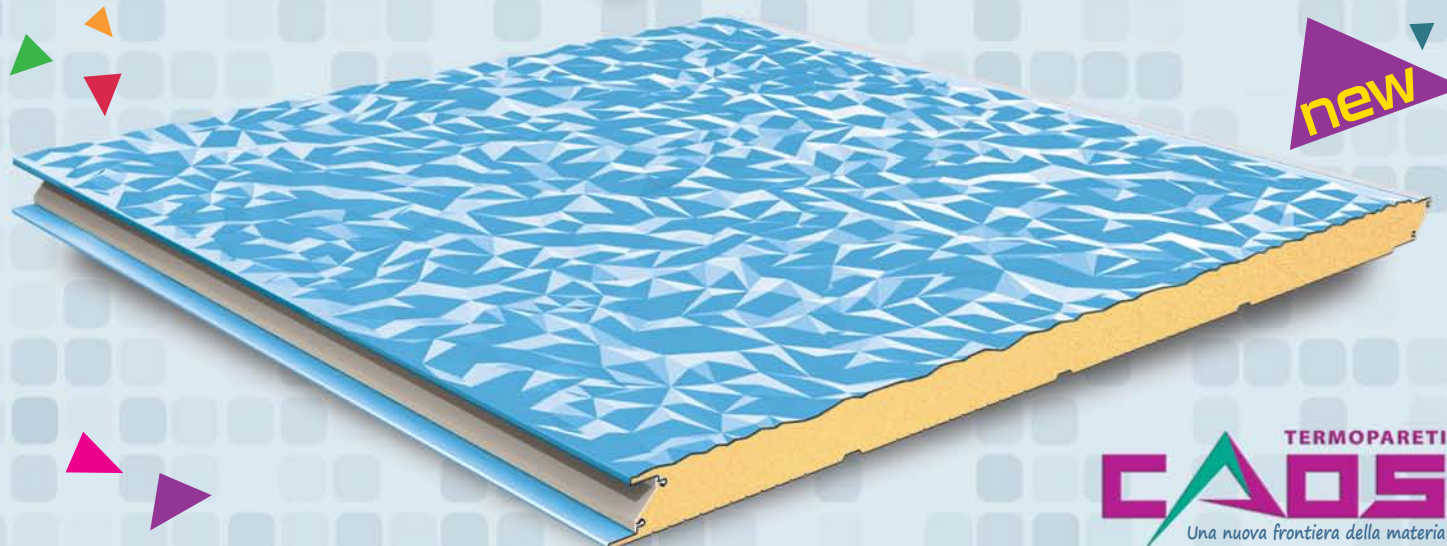
 **bubble**
TERMOPARETI®



TERMOPARETI®
(RUGBY)



 TERMOPARETI®
FLAT



 new

TERMOPARETI®
CAOS
Una nuova frontiera della materia



FACCIAE ARCHITETTONICHE

SERBOND®

SISTEMA PER L'EFFICIENTAMENTO E LA RIQUALIFICAZIONE ENERGETICA ED ARCHITETTONICA
ARCHITECTURAL WALL CLADDINGS FOR NEW BUILDINGS, FOR RENOVATIONS AND ENERGY-UPGRADING.

Il concetto di rivestimento **SERBOND®** è sviluppato intorno ad una idea nata per offrire ai progettisti una elevata libertà creativa, svincolati da moduli produttivi rigidi o griglie geometriche preimpostate. L'utilizzo di questo particolare rivestimento, è prevalentemente indirizzato all'edilizia commerciale, residenziale e dei servizi; si modella su qualsiasi progetto sia per nuove costruzioni che per ristrutturazioni. Le varie tipologie di accessori lo rendono compatibile con qualsiasi tipo di struttura: cemento armato, muratura tradizionale, acciaio, legno; la posa in opera, supportata da una nostra assistenza tecnica in fase progettuale, è facile, rapida e non richiede speciali mezzi di cantiere.

Il sistema è particolarmente versatile: prevede l'utilizzo di pannelli **FLAT** (lisci), **BUBBLE** e **RUGBY** (con impronte sferiche o ellittiche su tutta la superficie del lato esterno, ricavate per stampaggio) e dei nuovi pannelli **CAOS**, oltre ad una ricca e flessibile componentistica di elementi speciali, permettendo una vasta scelta di moduli e colori che esaltano l'elevato standard architettonico. **SERBOND®** è costituito da una sottostruttura leggera in acciaio zincato, ancorata alle strutture portanti dell'edificio. I moduli sandwich, monolitici, a planarità stabilizzata, sono provvisti di giunto a taglio termico, con fissaggio a scomparsa e predisposti per l'inserimento di speciali profili in alluminio estruso; il modulo geometrico può avere uno sviluppo sia verticale che orizzontale. Completano il sistema una serie di elementi di finitura a taglio termico quali angoli curvi, angoli retti, spigoli ed ottavi di sfera, soglie, stipiti ed architravi per infissi, oltre a moduli speciali sottomultipli e raccordi realizzati a disegno.

*The concept of the **SERBOND®** cladding has been developed to offer to the designers the possibility to create tailor-made projects, having not to refer to rigid standards or defined geometric rules. This particular facing system is mainly directed towards commercial, residential building and public utilities. It can be used both for new building and for renovations. The versatile system has different types of accessories that work with different types of structure such as concrete, traditional masonry, steel and wood. The installation of the panels, supported by our technical assistance during the planning phase, is easy and doesn't require the use of special site vehicles / equipments.*

*It's possible to employ **FLAT**, **BUBBLE** and **RUGBY** (with pressed spherical/elliptic imprints on the external surface) and the new **CAOS** panels and many adaptable elements in a wide range of developments and colours that exalt the original architectural standard. The **SERBOND®** is made of a light substructure in galvanized steel, anchored to the bearing structure of the building. The monolithic sandwich panels with stabilized flatness, have a joint with thermic cut, a hidden fixing and they are planned to be finished with special profiles in extruded aluminium; the panels can have both a vertical and a horizontal development. The system offers a particularly rich range of components and elements with thermic cut such as: rounded and right corners, edges, thresholds, windowposts, and also connections with special development and tailor-made joints.*

DESCRIZIONE CAPITOLATO

La facciata architettonica **SERBOND®** è costituita da una sottostruttura leggera in acciaio zincato, ancorata alle strutture portanti dell'edificio. I moduli sandwich, monolitici, a planarità stabilizzata, sono provvisti di giunto a taglio termico, con fissaggio a scomparsa e predisposti per l'inserimento di speciali profili in alluminio estruso; il modulo geometrico può avere uno sviluppo sia verticale che orizzontale. Completano il sistema una serie di elementi di finitura a taglio termico quali angoli curvi, retti, spigoli ed ottavi di sfera, soglie, stipiti ed architravi per infissi, oltre a moduli speciali sottomultipli e raccordi realizzati a disegno.

Il sistema **SERBOND®** si compone di:

- Sottostruttura
- Pannelli ciechi a taglio termico
- Profilo in alluminio estruso
- Elementi di finitura a taglio termico

SOTTOSTRUTTURA

Profili tubolari in acc. Zinc...X...spess. mm. aventi funzione di sottostruttura, predisposti in senso verticale ed ancorati alla struttura portante mediante idoneo sistema di fissaggio.

PANNELLI A TAGLIO TERMICO CON FISSAGGIO A SCOMPARSA TIPO TERMOPARETI® "WP/ST FLAT" o "WPM/C-FN FLAT"

- Supporti esterni in lamiera di acciaio zincato / alluminio / acciaio inossidabile / corten, sagomati a freddo su treni di profilatura a rulli.
- La finitura dei supporti in acciaio zincato e alluminio è costituita da un rivestimento

organico mediante ciclo di preverniciatura a caldo standard in poliestere secondo norme EN 10169.

- Profilo in PVC, applicato ad incastro sul lato longitudinale femmina dei pannelli tra i due supporti esterni, per dare maggiore stabilità al fissaggio e evitare distacchi delle lamiere dall'isolamento, sia durante la manipolazione che in fase di montaggio.

- Isolamento in poliuretano espanso esente da CFC, ottenuto secondo norma UNI EN 13165.

CARATTERISTICHE DEL PANNELLO

- Spessore del pannello: mm. 40-50-60-80-100
- Spessore supporti esterni: mm. 0,6 lato (E) + 0,5 lato (I)

- Preverniciatura supporti esterni: ns. standard lato (E)

+ ES73 Bianco Grigio lato (I)

- Interasse del pannello: mm. 1000

- Densità dell'isolamento: Kg/m³ 40 ca.

- Fissaggio a scomparsa sul giunto femmina

PROFILO IN ALLUMINIO ESTRUSO

Profili speciali in alluminio estruso, saranno utilizzati quali elementi architettonici e di giunzione con gli altri componenti costruttivi.

ELEMENTI DI FINITURA A TAGLIO TERMICO

Elementi speciali a taglio termico aventi funzione di chiusura del pannello e di raccordo con gli altri elementi costruttivi.

SISTEMA DI POSA IN OPERA

Eseguita mediante ancoraggio della sottostruttura in tubolare...X..., alla struttura portante dell'edificio e successivo fissaggio meccanico dei pannelli e degli elementi di finitura a taglio termico.

Caratteristiche tecnico-prestazionali:

Supporti: ACCIAIO - S 250 GD conforme alla norma UNI EN 10346 aventi caratteristiche meccaniche non inferiori a quelle previste dal D.M. del 14/01/2008 e tolleranze secondo la norma UNI EN 10143
ALLUMINIO - UNI EN 1396, con carico di rottura minimo 150 MPa
RAME - UNI EN 1172

COR-TEN

ACCIAIO INOSSIDABILE - Secondo norma UNI EN 10088-1

Isolante: PUR Densità ~ 40 Kg/m³

Spessori: mm. 40-50-60-80-100

Modulo base: Larghezza mm. 1000

Il sistema, data la sua caratteristica di adattabilità e flessibilità, prevede la realizzazione di moduli speciali di compensazione.

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: mm. 40-50-60-80-100

Standard Panel: Width mm. 1000

The flexibility of the system gives the possibility to realize also panels with different developments.

TENDER SPECIFICATIONS

The architectural wall called **SERBOND®** is made of a light substructure in galvanized steel, fixed to the bearing structure of the building. The monolithic sandwich panels with stabilized flatness, have a joint with thermic cut, they have a hidden fixing and are finished with an extruded aluminium profile. The panels can have both a vertical and a horizontal development. The system offers a wide range of finishing elements with thermic cut: rounded and right corners, edges, thresholds, windowposts and also panels with special development and tailor-made joints.

The **SERBOND®** System consists of:

- Substructure
- Blind panels with thermic cut
- Extruded aluminium profile
- Finishing elements with thermic cut

SUBSTRUCTURE

The substructure is made of vertical tubular profiles in galv. steelX..... mm thick, anchored to the main structure by means of a suitable fixing system.

PANELS WITH THERMIC CUT WITH HIDDEN FIXING CALLED TERMOPARETI® "WP/ST FLAT" or "WPM/C-FN FLAT"

- External supports in cold shaped galvanized steel / aluminium / stainless steel / corten

- The finishing of the galvanized steel supports and of the aluminium supports consists of an organic coat obtained from a

cycle of hot standard polyester prepainting according to EN10169

- PVC profile, located in the longitudinal female joint of the panels between the two external supports to increase the overall fixing stability of the panel and to avoid detachments of the supports from the insulation either during their handling or during the working phase.

- Polyurethane insulation, CFC free, according to UNI EN 13165 Norm.

CHARACTERISTICS OF THE PANEL

Thickness of the panel: mm 40-50-60-80-100
Thickness of external supports : mm 0,6 side (E) + 0,5 side (I)

Prepainting of external supports : our standard side (E) + ES73 White Grey side (I)

Width of the panel : mm 1000

Density of insulation : approx. 40 kg/m³

Fixing : hidden fixing on the female joint

EXTRUDED ALUMINIUM PROFILE

Special profiles in extruded aluminium are used as architectural joint elements to panels or other components.

FINISHING ELEMENTS WITH THERMIC CUT

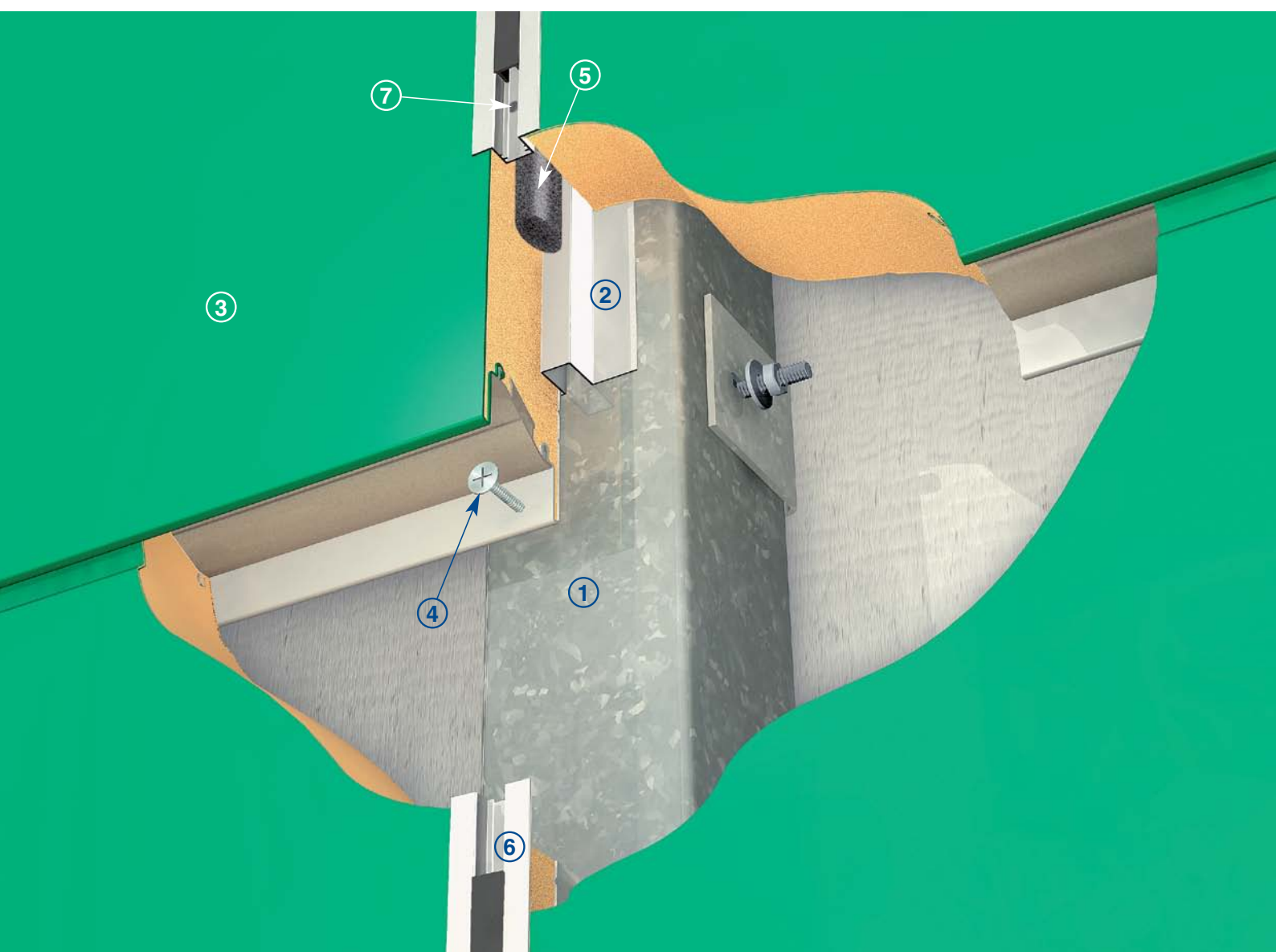
Special components with thermic cut are used to finish the panels and as connection to other elements

ASSEMBLING SYSTEM

The tubular profilesX... of the substructure are anchored to the bearing structure of the building, then the panels and the special components with thermic cut are being fixed.

Benvenuti nel mondo dei Sistemi

Welcome to the System world



COMPOSIZIONE DEL SISTEMA SERBOND® DETAILS OF THE SERBOND® SYSTEM

- ① **SOTTOSTRUTTURA IN ACCIAIO ZINCATO**
SUBSTRUCTURE IN GALVANIZED STEEL

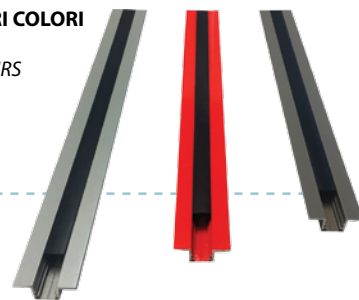


- ② **PRESSOPIEGATO DI ANCORAGGIO PER TRAFILATO IN ALLUMINIO**
FLASHING TO FIX ALUMINIUM PROFILE

- ⑤ **GUARNIZIONE DI TENUTA "LEM CORD" DIAMETRO 20 mm**
"LEM CORD" GASKET - DIAMETER 20 mm



- ⑥ **TRAFILATO IN ALLUMINIO PREVERNICIATO VARI COLORI COMPLETO DI GUARNIZIONE IN EPDM NERA**
ALUMINIUM PROFILE PAINTED IN DIFFERENT COLOURS WITH BLACK EPDM RUBBER



- ③ **TERMOPARETI® A FISSAGGIO NASCOSTO**
TERMOPARETI® WITH HIDDEN FIXING

- ④ **VITE SVASATA PIANA LARGA PER FISSAGGIO TERMOPARETI®**
SCREW WITH LARGE FLAT HEAD TO FIX TERMOPARETI®



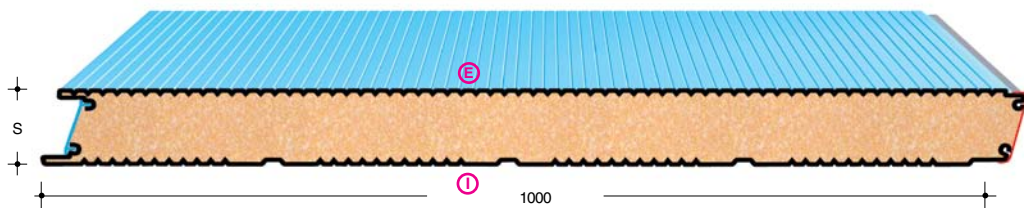
- ⑦ **VITE "DRILLEX" PER FISSAGGIO TRAFILATO IN ALLUMINIO**
"DRILLEX" SCREWS TO FIX ALUMINIUM PROFILE



FACCiate ARCHITETTONICHE
SERBOND®

TIPO - TYPE WPM/C-FN

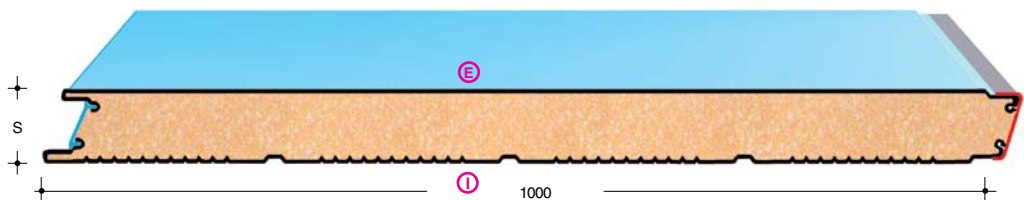
S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE WP/ST FLAT

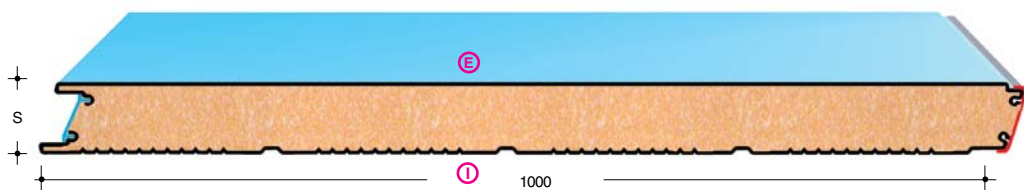
S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE WPM/C-FN FLAT

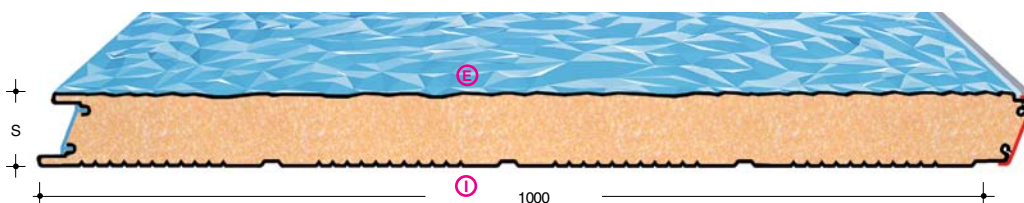
S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE WPM/C-FN CAOS

S
Spessore - Thickness
mm. 40-50
60-80-100

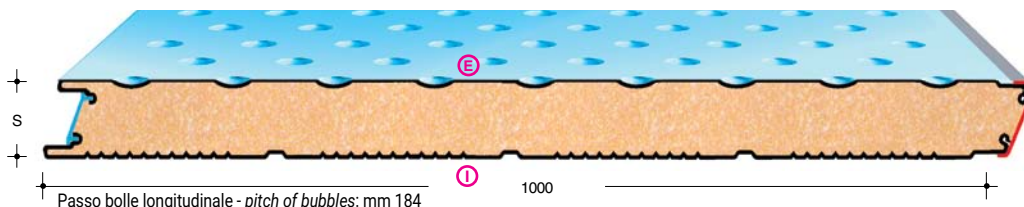


OPZIONE
OPTION
PIR B-s2,d0



TIPO - TYPE WP/ST BUBBLE

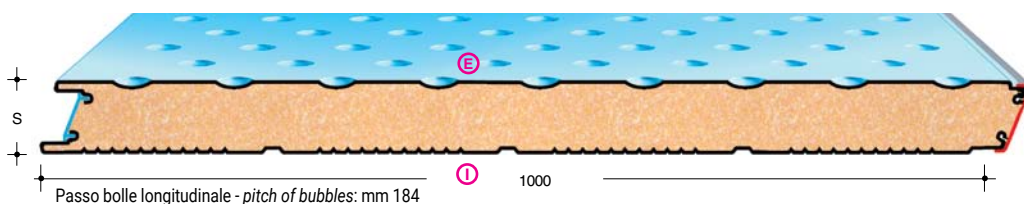
S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE WPM/C-FN BUBBLE

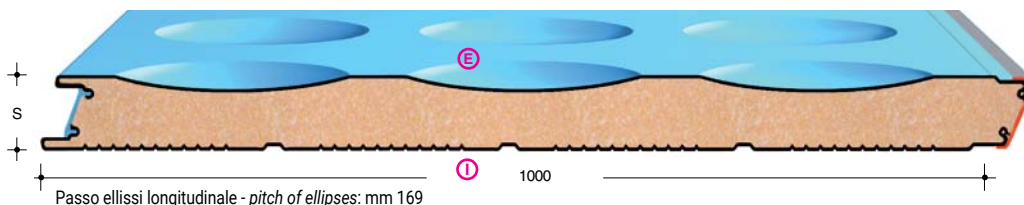
S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE WP/ST RUGBY

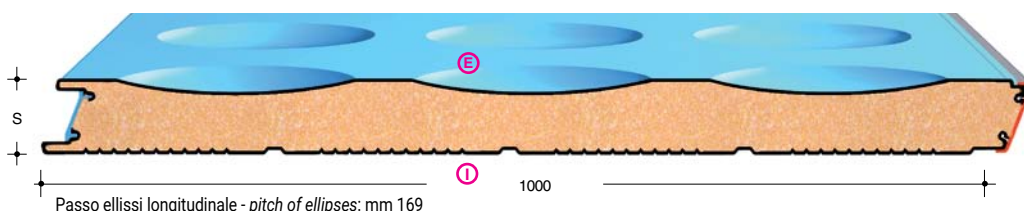
S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE WPM/C-FN RUGBY

S
Spessore - Thickness
mm. 40-50
60-80-100

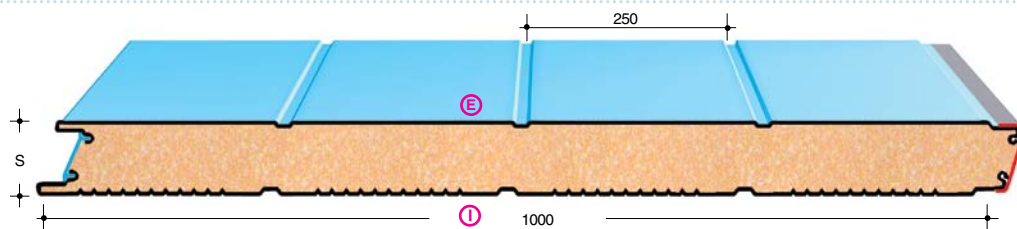


OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE

WP/ST ALT 1

S
Spessore - Thickness
mm. 40-50
60-80-100

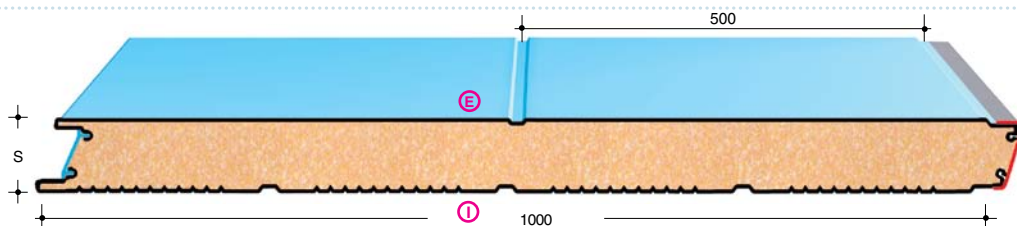


OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE

WP/ST ALT 2

S
Spessore - Thickness
mm. 40-50
60-80-100

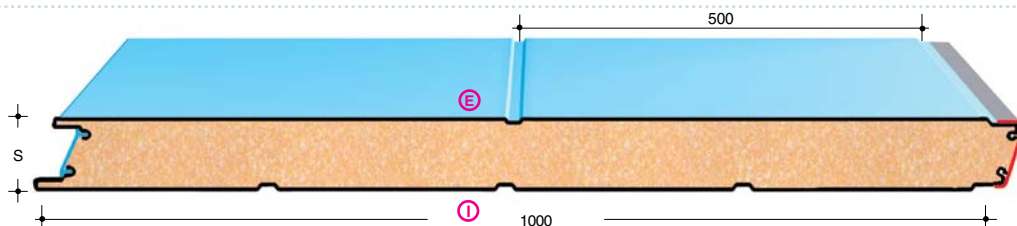


OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE

WP/ST ALT 3

S
Spessore - Thickness
mm. 40-50
60-80-100

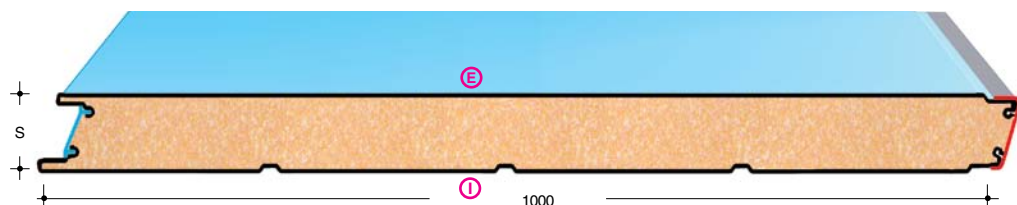


OPZIONE
OPTION
PIR B-s2,d0

TIPO - TYPE

WP/ST ALT 4

S
Spessore - Thickness
mm. 40-50
60-80-100



OPZIONE
OPTION
PIR B-s2,d0

CONDIZIONI DI CARICO - SUPPORT CONDITIONS

S spessore mm thickness mm	Kcal m ² h °C	U W m ² °C	peso weight Kg/m ²	U.M.
40	0,461	0,536	10,15	Kg/m ² KN/m ²
50	0,372	0,433	10,53	Kg/m ² KN/m ²
60	0,313	0,364	10,91	Kg/m ² KN/m ²
80	0,237	0,276	11,67	Kg/m ² KN/m ²
100	0,191	0,222	12,63	Kg/m ² KN/m ²

Carichi utili di esercizio uniformemente distribuiti in KG/m² - KN/m² / Useful loads uniformly distributed in KG/m² - KN/m²

DISTANZA TRA GLI APPOGGI IN m ℓ - SPAN IN ℓ m					DISTANZA TRA GLI APPOGGI IN m ℓ - SPAN IN ℓ m				
2,00	2,50	3,00	3,50	4,00	2,00	2,50	3,00	3,50	4,00
166	125	90	70	55	178	140	108	85	70
1,63	1,22	0,88	0,68	0,54	1,74	1,37	1,05	0,83	0,68
225	160	120	90	70	245	182	140	115	90
2,21	1,57	1,18	0,88	0,68	2,41	1,78	1,37	1,13	0,88
289	216	142	115	85	321	237	181	141	115
2,83	2,12	1,39	1,13	0,83	3,15	2,32	1,77	1,38	1,13
455	316	227	160	120	500	365	280	215	145
4,46	3,09	2,22	1,57	1,18	4,91	3,58	2,74	2,11	1,42
470	345	260	200	160	510	390	285	225	180
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 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 certificazione CE. La lettera **U** indica il lato eventualmente preverniciato.

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 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 **U** shows the required painted side.

CONDIZIONI DI CARICO - SUPPORT CONDITIONS

S spessore mm thickness mm	Kcal m ² h °C	U W m ² °C	peso weight Kg/m ²	U.M.
40	0,461	0,536	5,16	Kg/m ² KN/m ²
50	0,372	0,433	5,56	Kg/m ² KN/m ²
60	0,313	0,364	5,96	Kg/m ² KN/m ²
80	0,237	0,276	6,76	Kg/m ² KN/m ²
100	0,191	0,222	7,56	Kg/m ² KN/m ²

Carichi utili di esercizio uniformemente distribuiti in KG/m² - KN/m² / Useful loads uniformly distributed in KG/m² - KN/m²

DISTANZA TRA GLI APPOGGI IN m ℓ - SPAN IN ℓ m					DISTANZA TRA GLI APPOGGI IN m ℓ - SPAN IN ℓ m				
2,00	2,50	3,00	3,50	4,00	2,00	2,50	3,00	3,50	4,00
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
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
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
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
290	235	180	110	90	310	255	190	135	100
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 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 certificazione CE. La lettera **U** indica il lato eventualmente preverniciato.

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 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 **U** shows the required painted side.



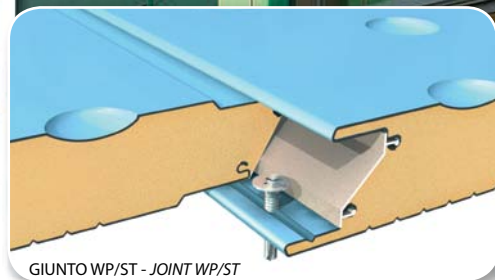
LE GEOMETRIE



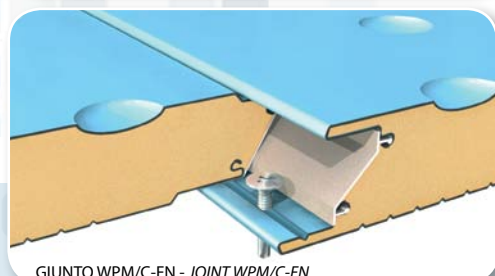


RACCORDI SPECIALI PER INFISSI
SPECIAL CONNECTIONS FOR WINDOWS

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GIUNTO WP/ST - JOINT WP/ST



GIUNTO WPM/C-FN - JOINT WPM/C-FN



FACCIAE ARCHITETTONICHE
SERBOND®

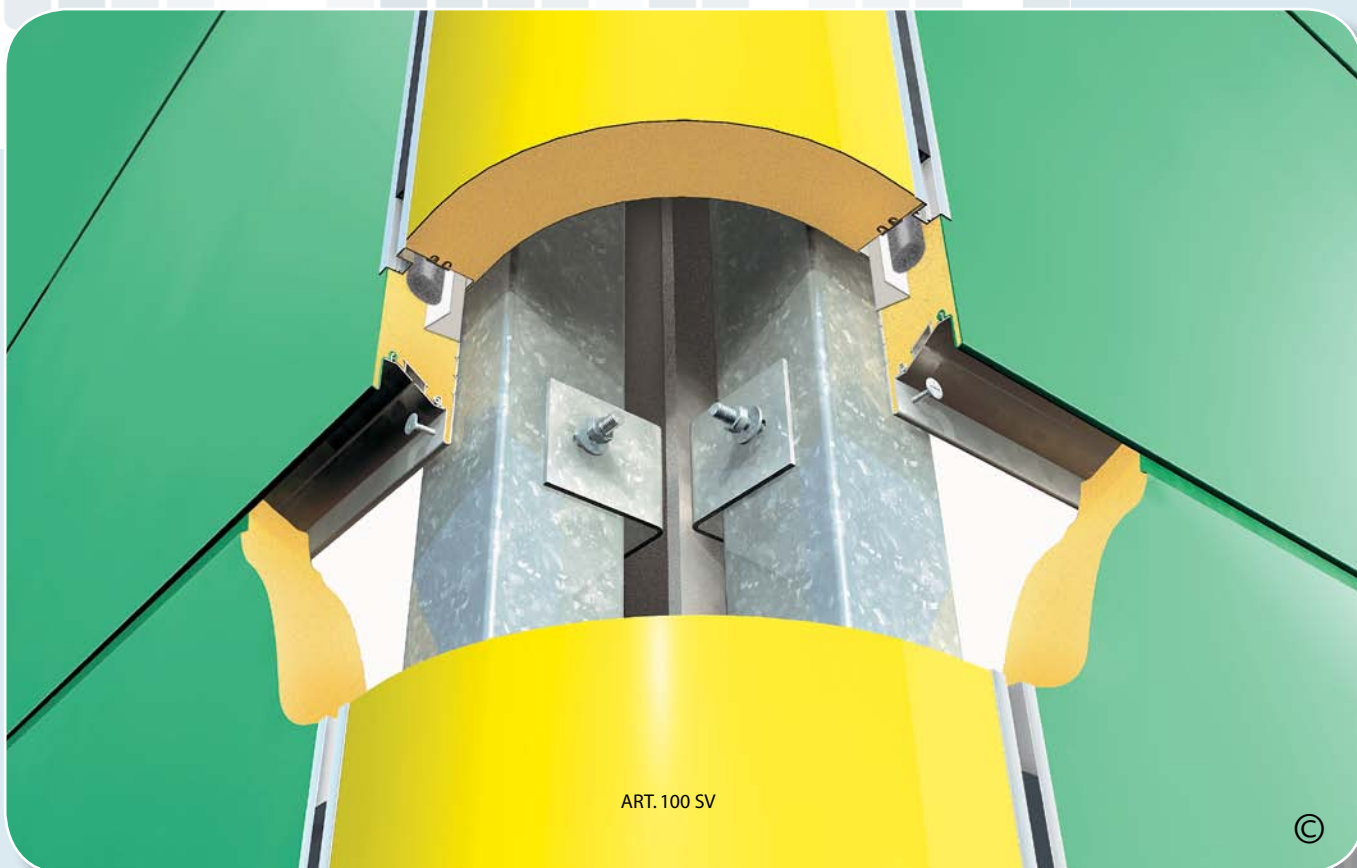


DETTAGLI COSTRUTTIVI

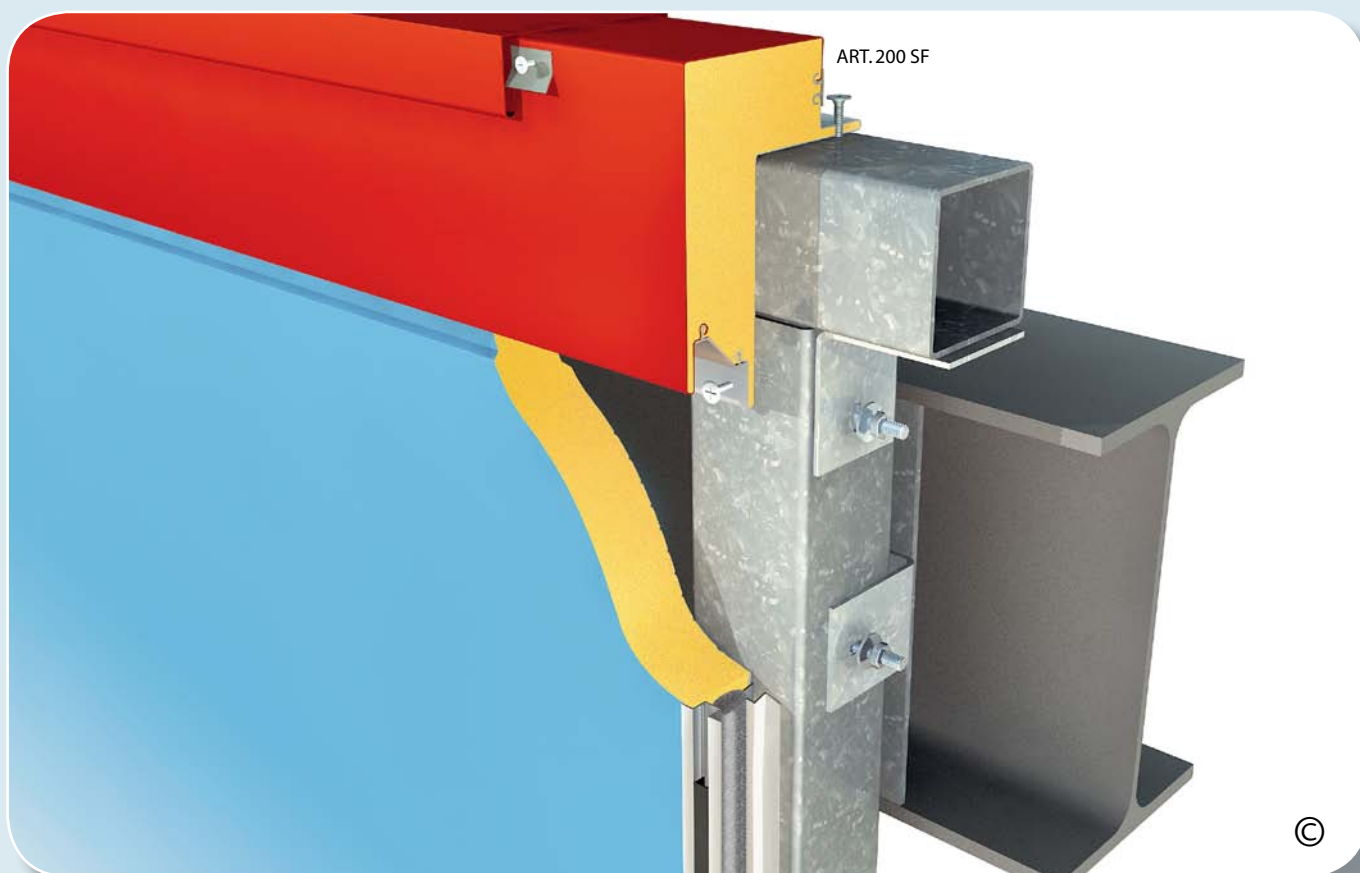
BUILDING DETAILS



PARTICOLARE GIUNTO TERMOPARETI®
DETAIL WALL (TERMOPARETI®) JOINT



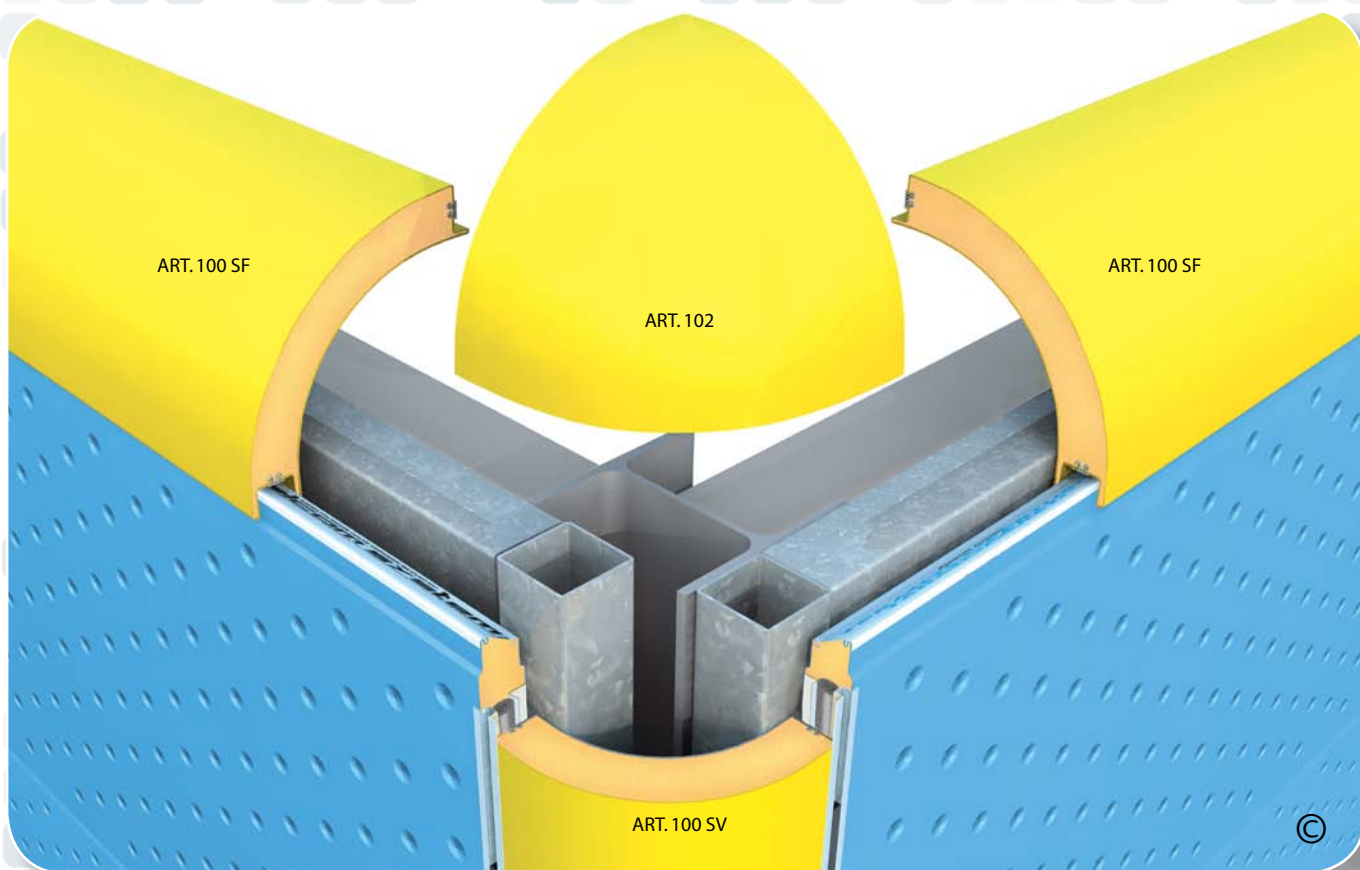
ANGOLO CURVO VERTICALE
ROUNDED VERTICAL CONNECTIONS



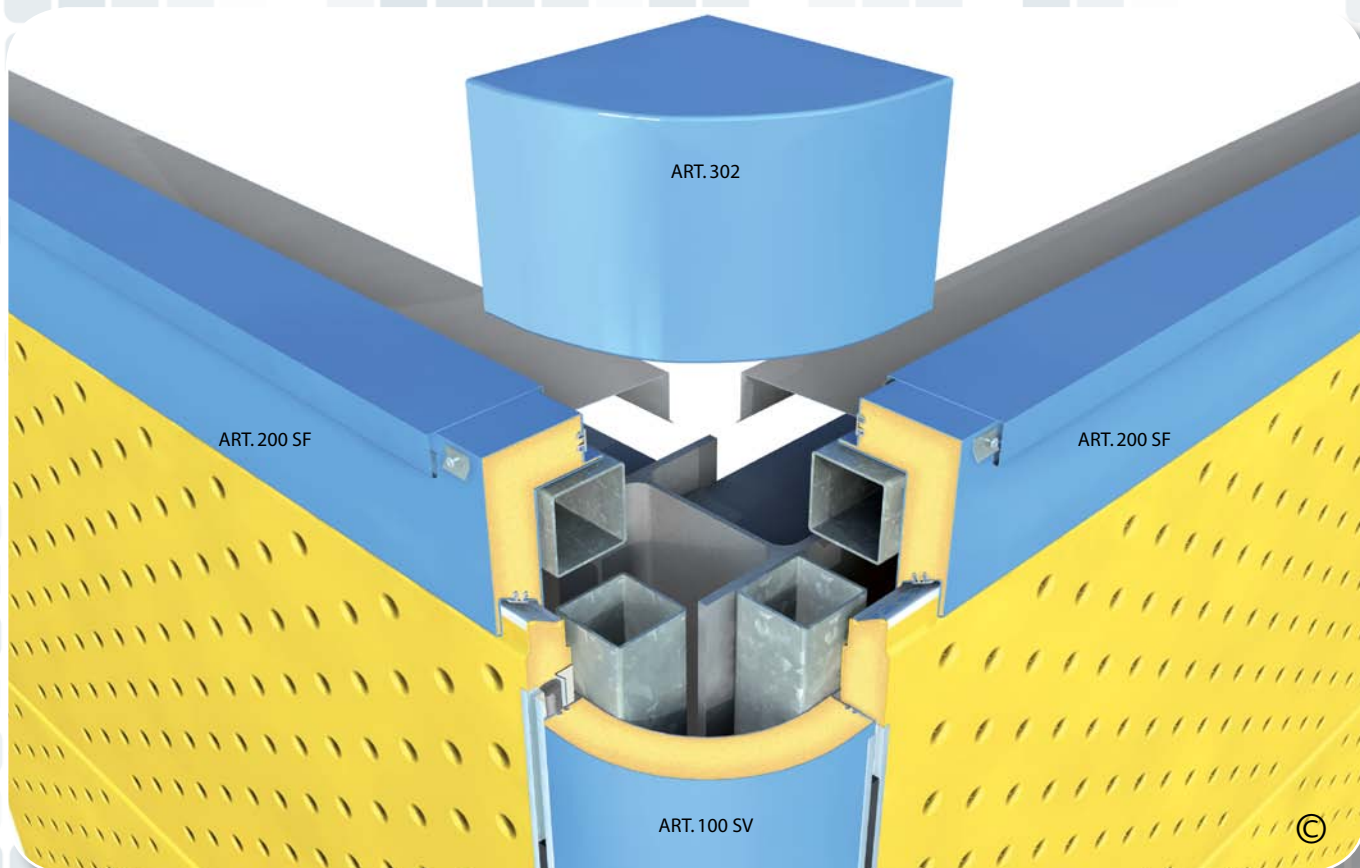
CORONAMENTO SUPERIORE ANGOLO 90°
FOAMED 90° UPPER CONNECTION



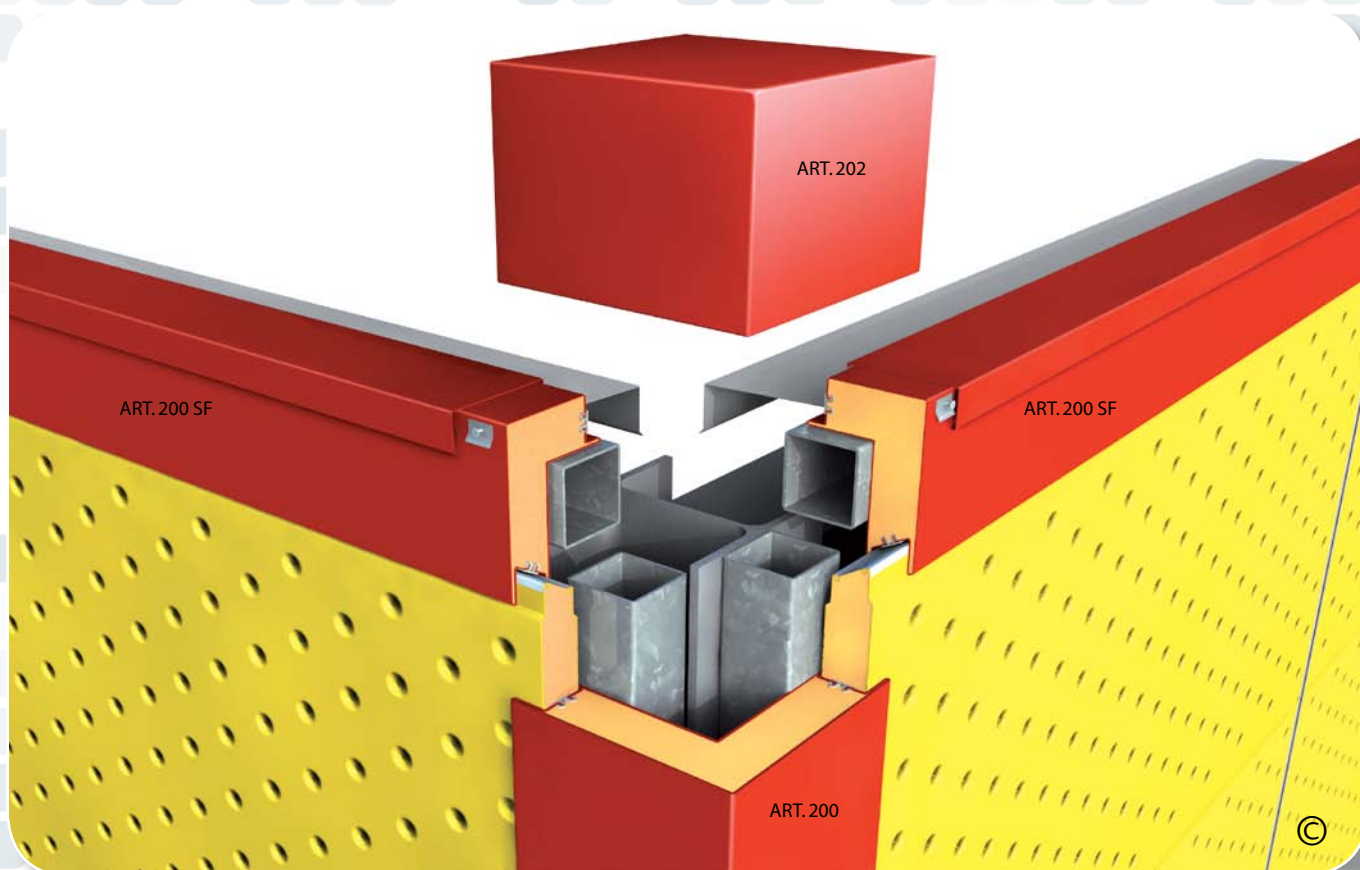
CORONAMENTO INFERIORE ANGOLO 90°
FOAMED 90° BOTTOM CONNECTION



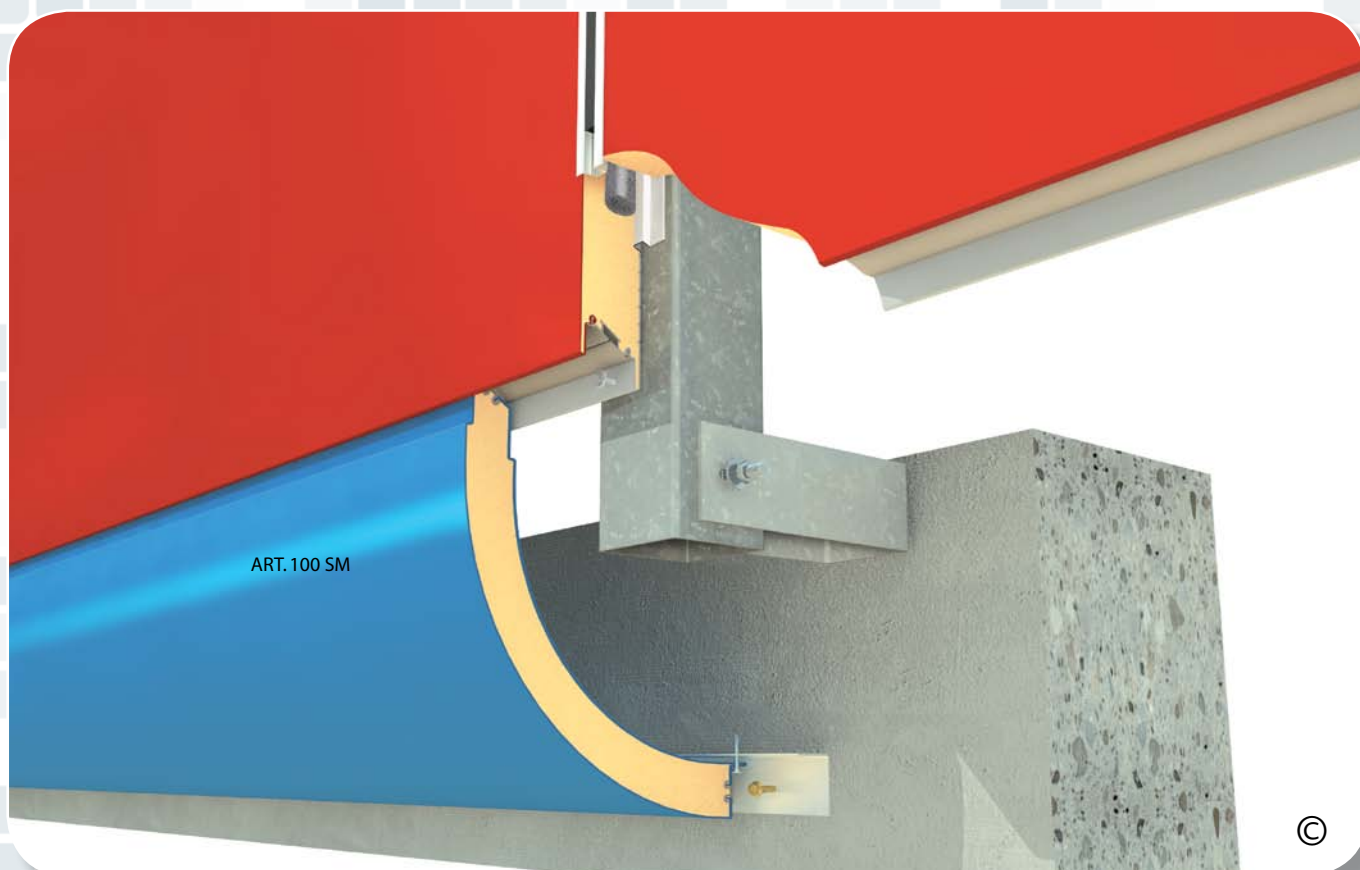
CORONAMENTO SUPERIORE ANGOLI CURVI
 ROUNDED UPPER CONNECTION



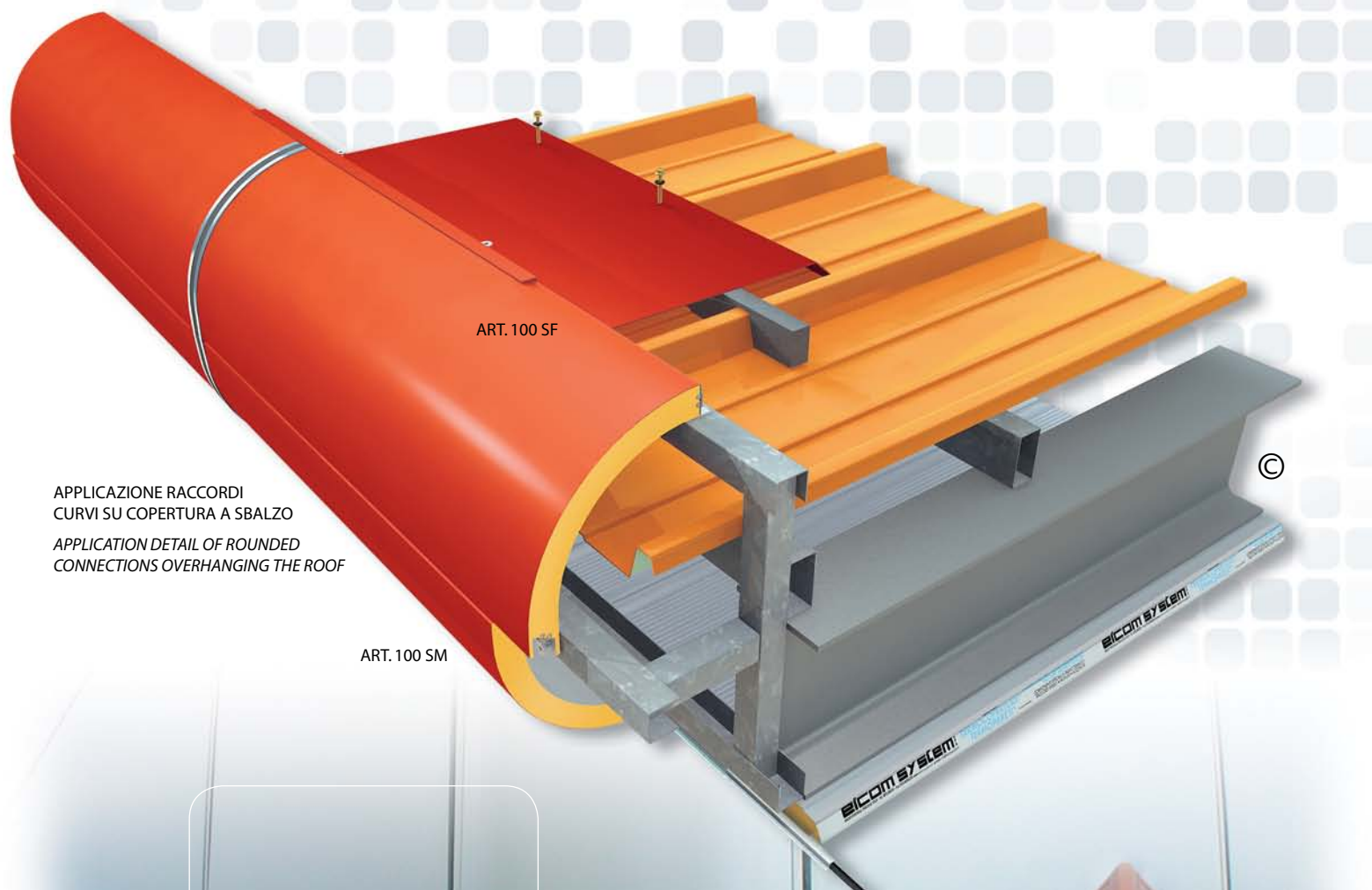
ANGOLI CURVI VERTICALI / ANGOLI RETTI ORIZZONTALI CORONAMENTO SUPERIORE
 ROUNDED VERTICALS CORNERS / HORIZONTAL 90° CORNERS, UPPER CONNECTIONS



CORONAMENTO SUPERIORE ANGOLI RETTI
FOAMED 90° UPPER CONNECTION



CORONAMENTO INFERIORE ANGOLO CURVO
ROUNDED BOTTOM CONNECTION

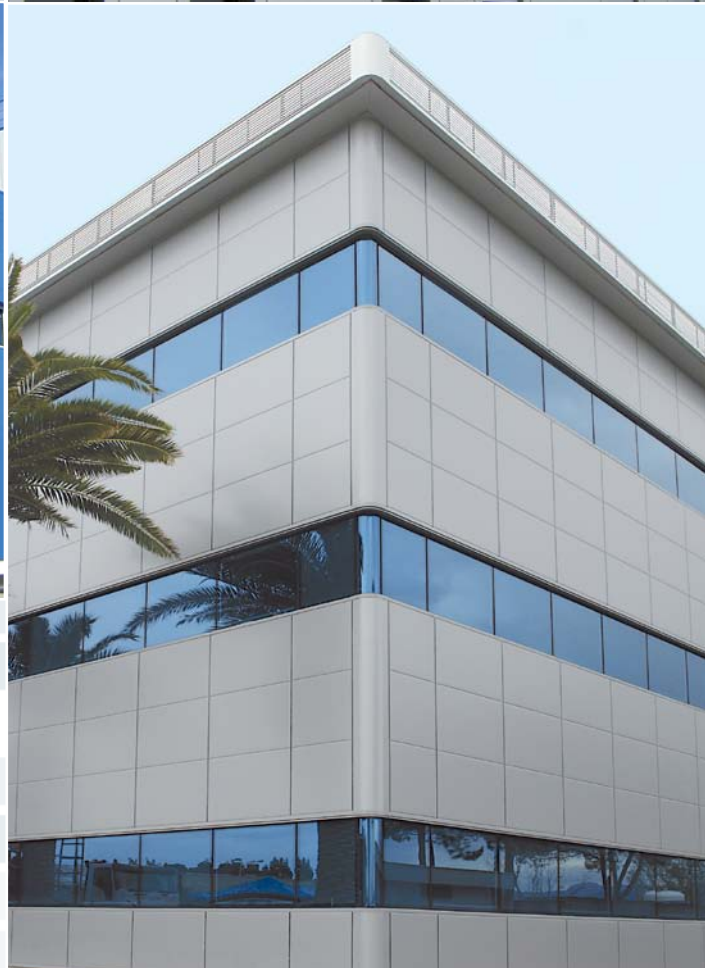


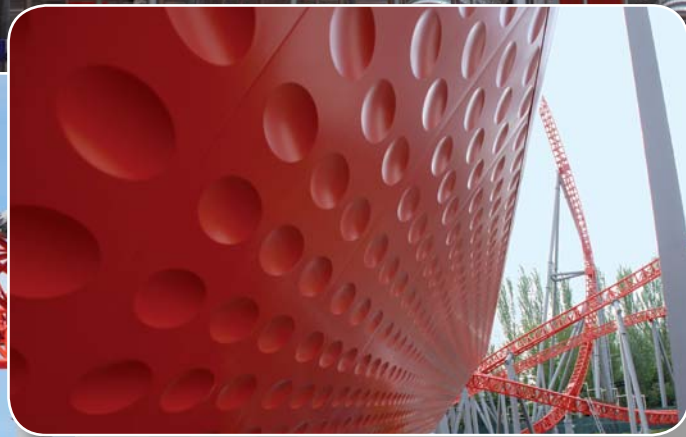
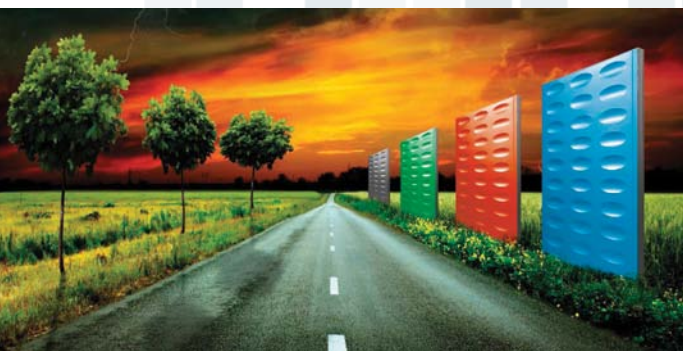
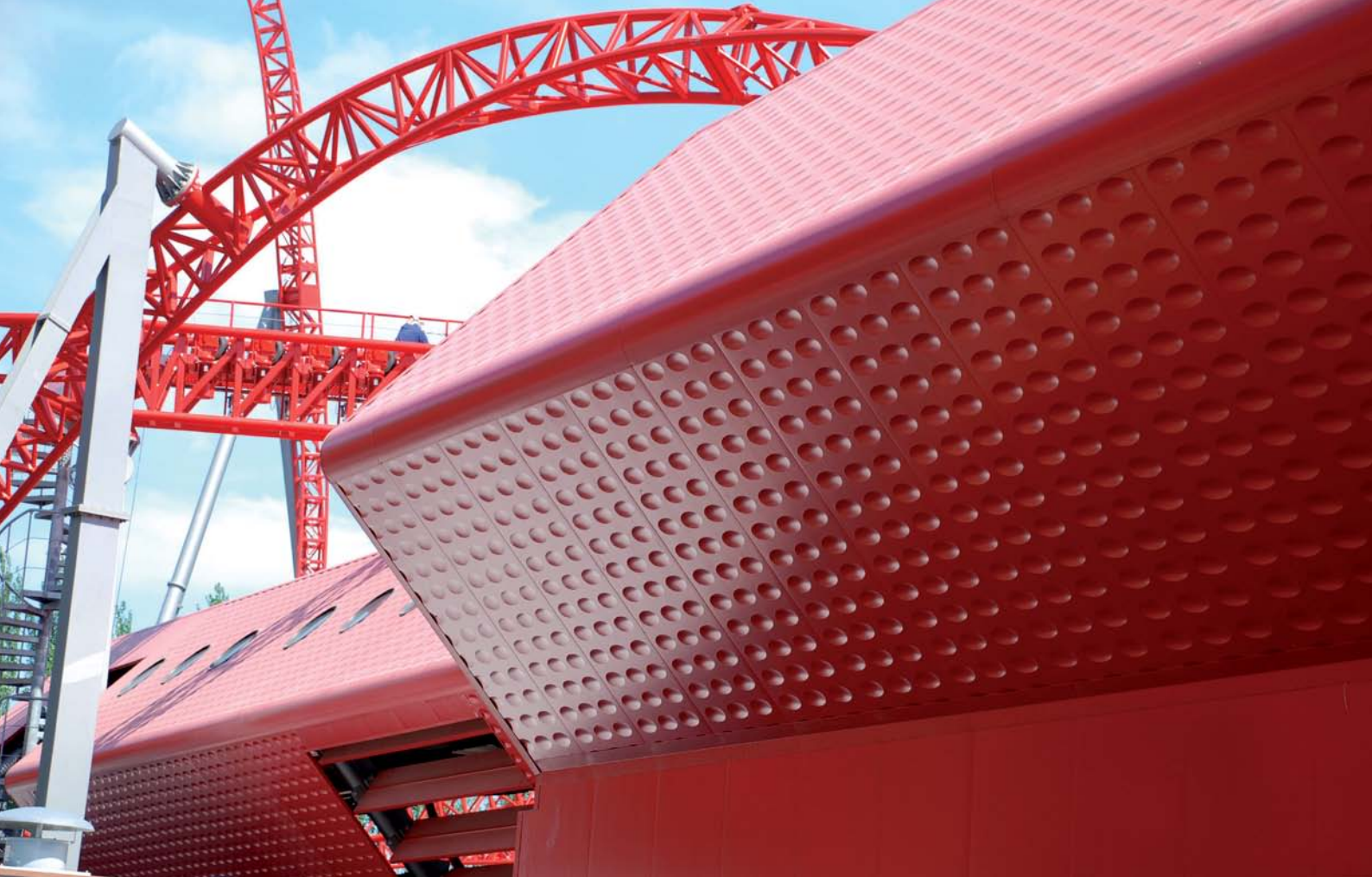
ART. 100 SF

APPLICAZIONE RACCORDI
CURVI SU COPERTURA A SBALZO
APPLICATION DETAIL OF ROUNDED
CONNECTIONS OVERHANGING THE ROOF

ART. 100 SM

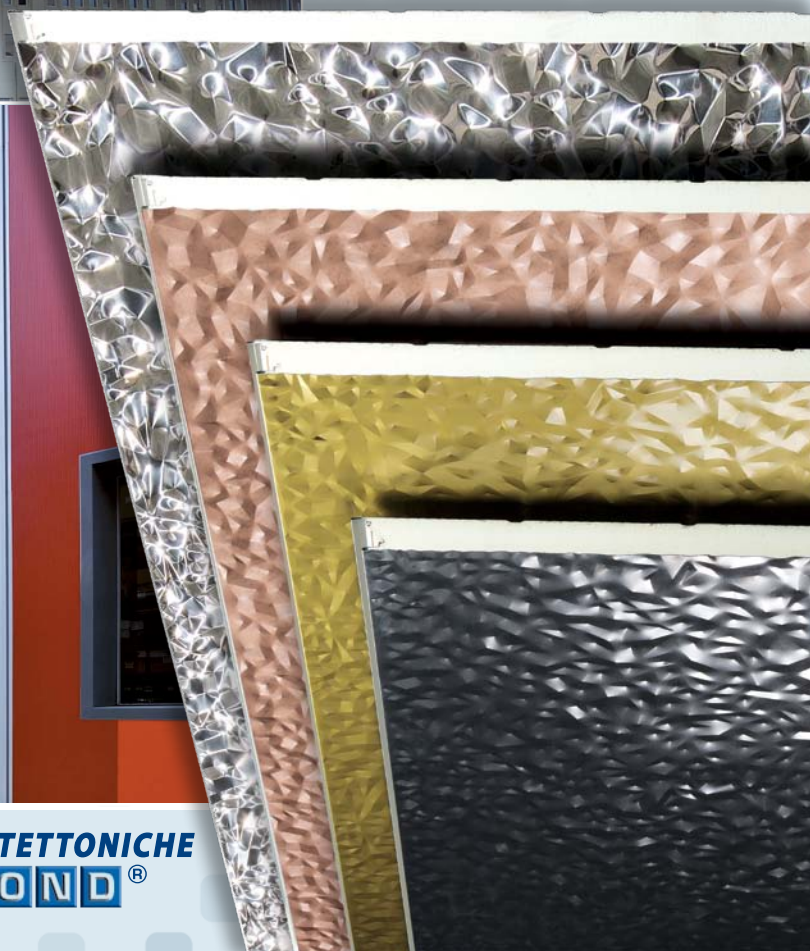
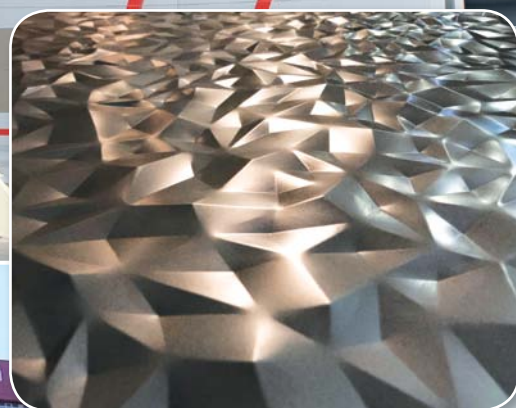
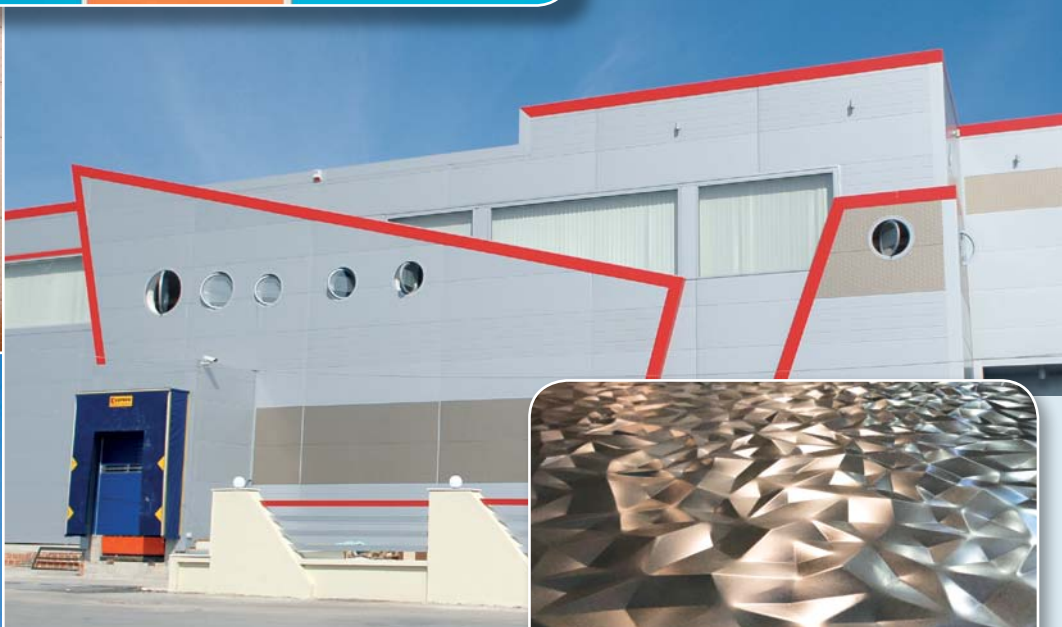








CAOS TERMOPARETI®



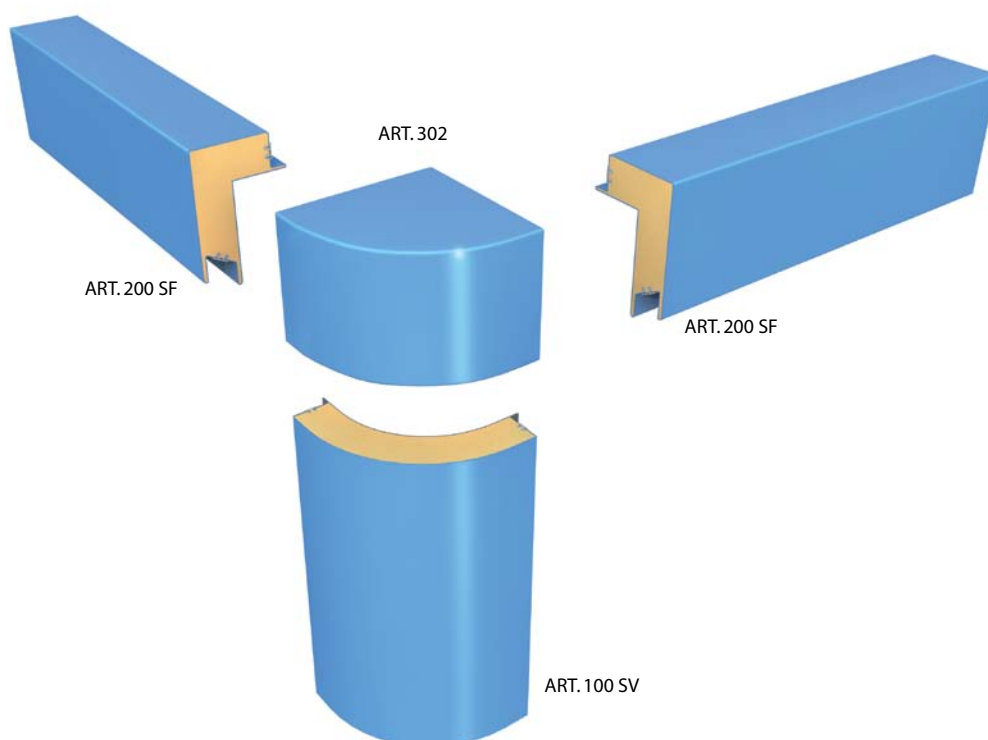
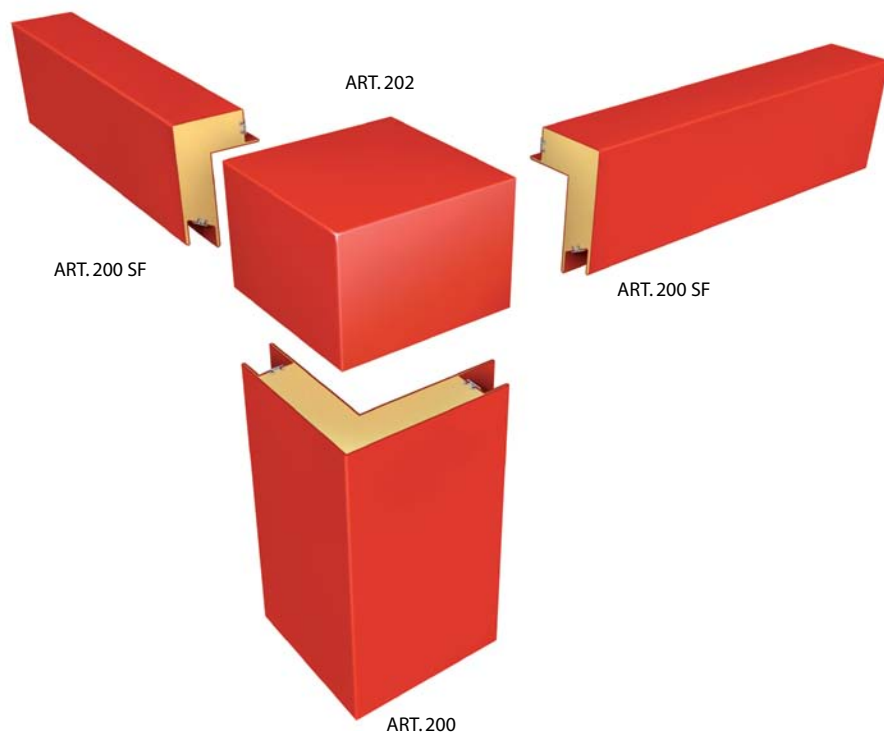
**FACCIAE ARCHITETTONICHE
SERBOND®**

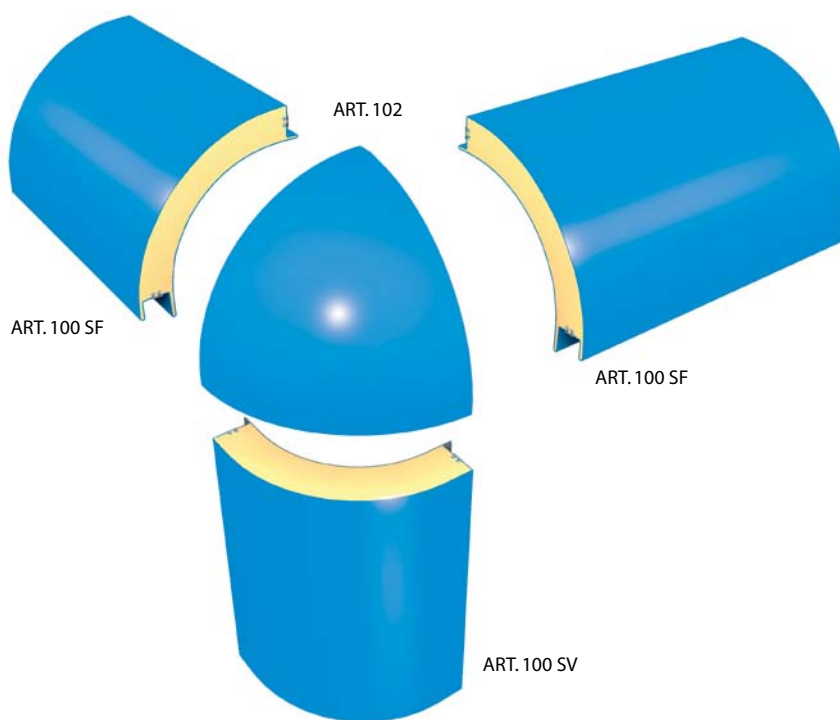
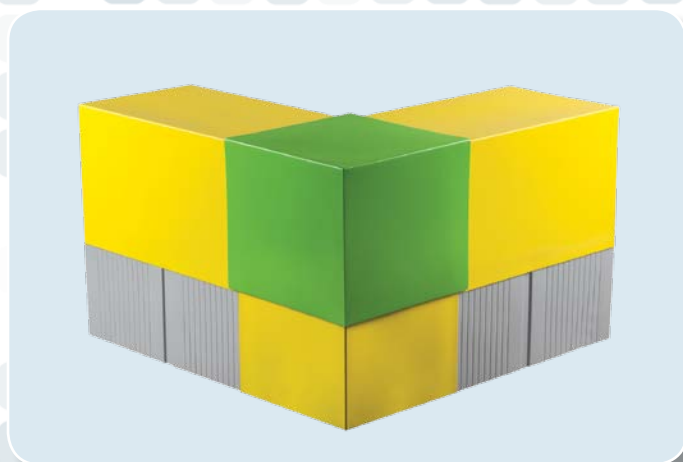
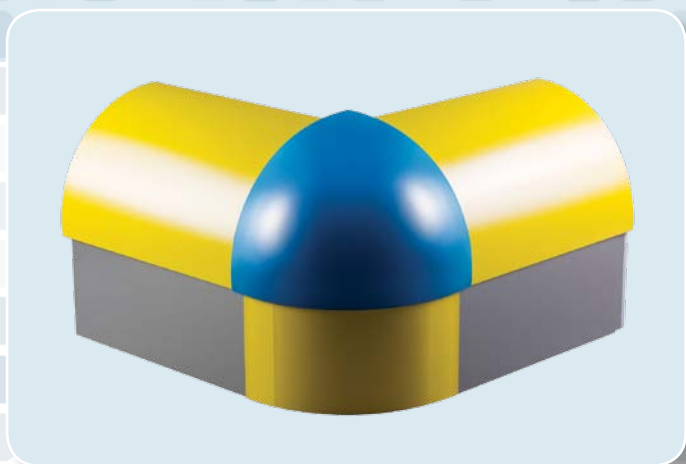


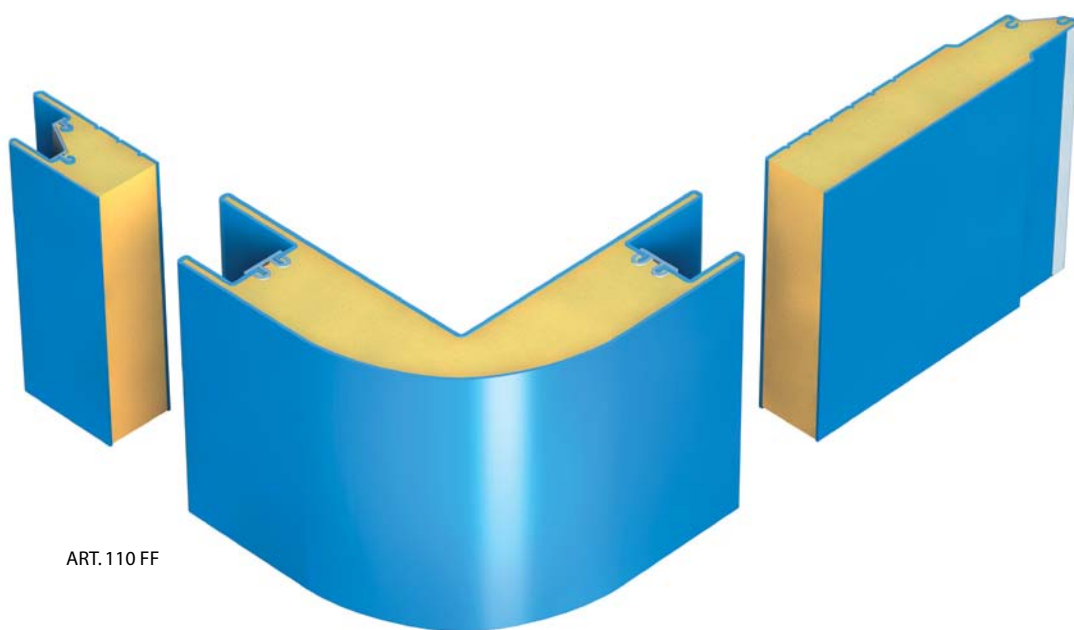


SISTEMI per FACCIATE ARCHITETTONICHE COMPONENTI SPECIALI a TAGLIO TERMICO

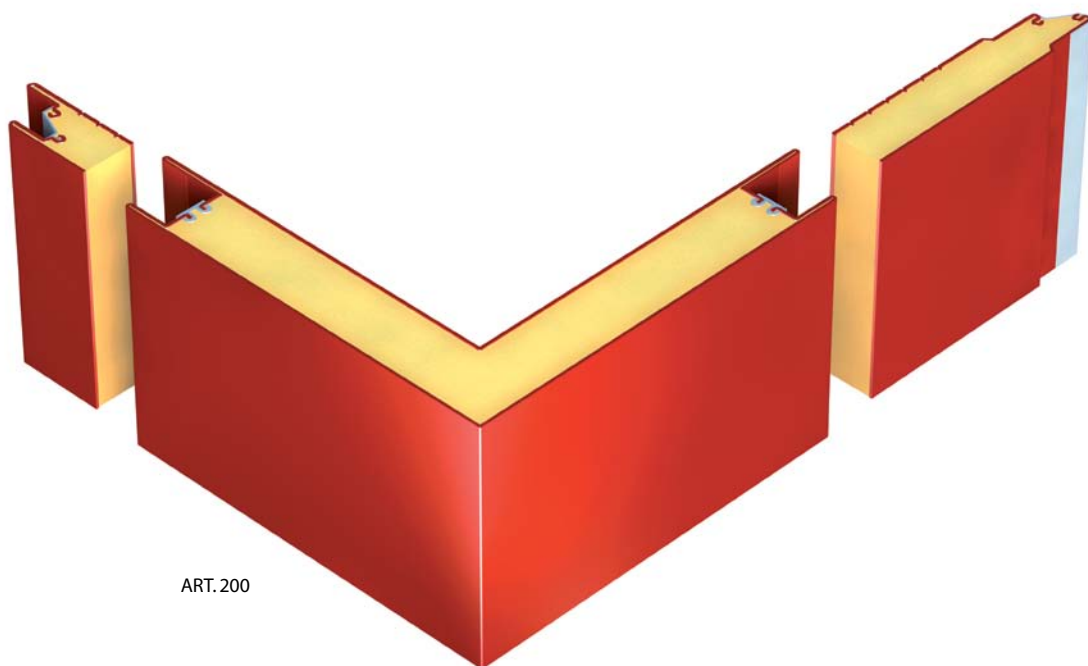
SYSTEM for ARCHITECTURAL WALL CLADDINGS
SPECIAL COMPONENTS WITH THERMIC CUT







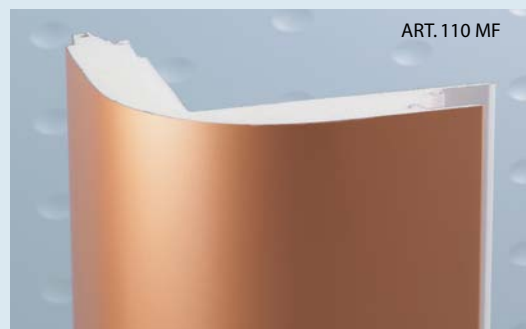
ART.110 FF



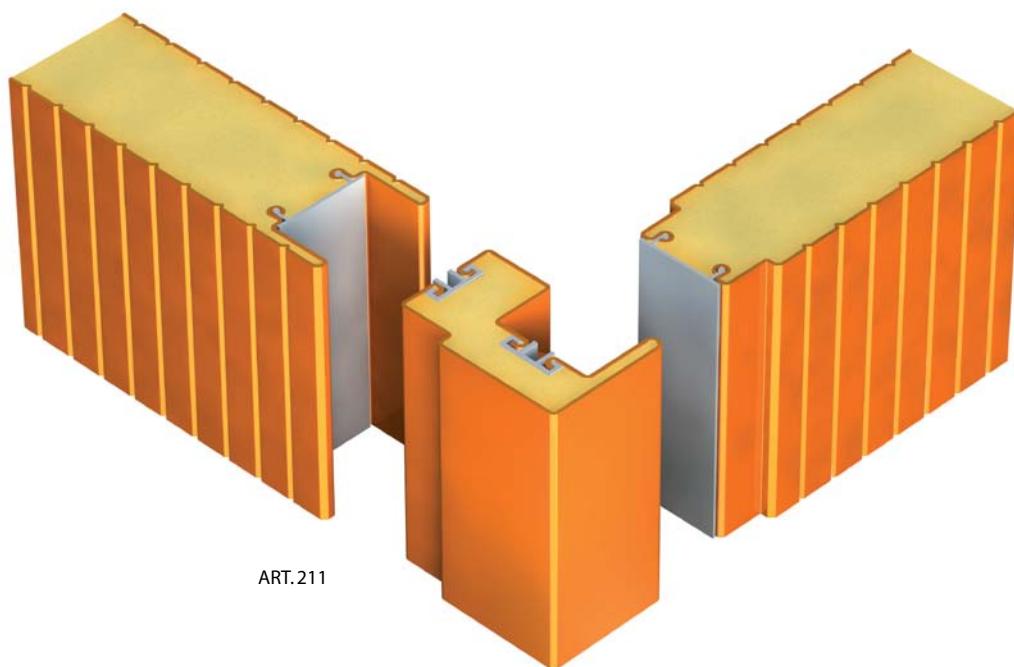
ART.200



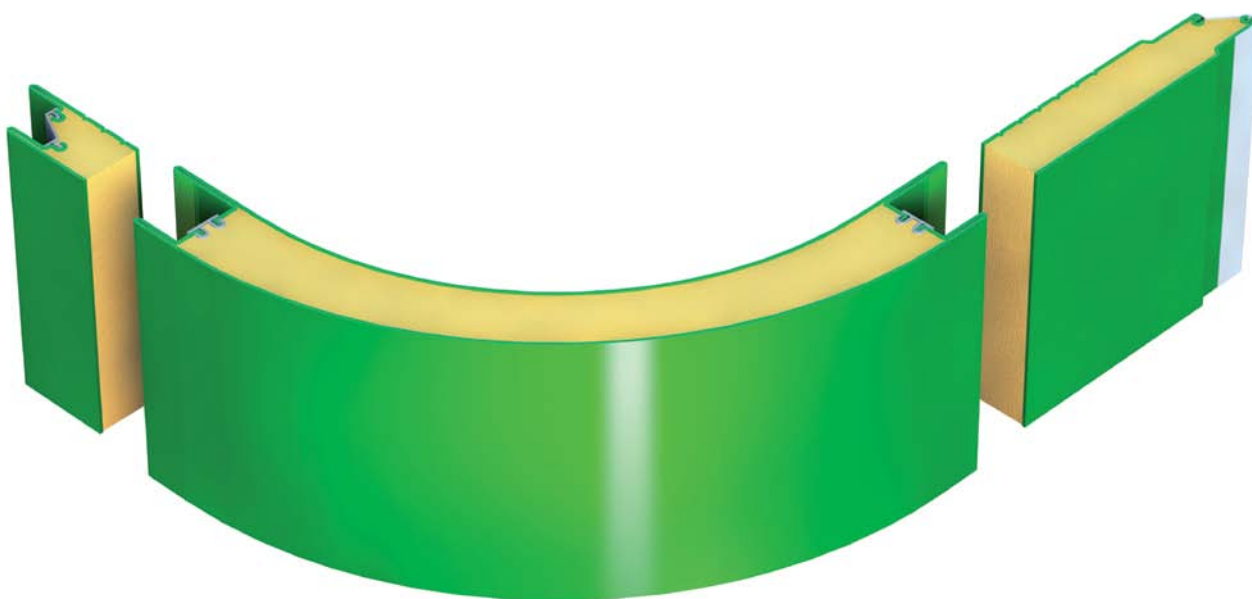
ART. 102 Special



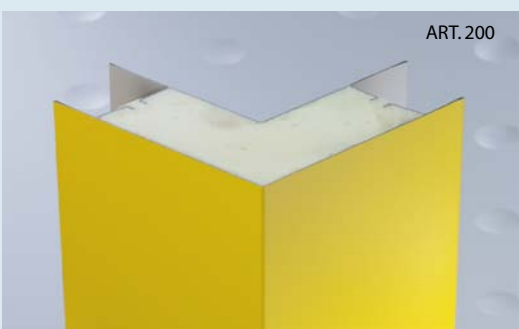
ART.110 MF



ART. 211



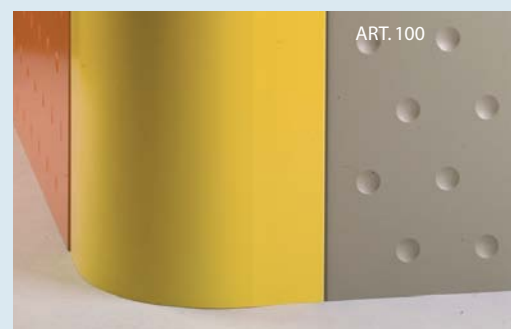
ART. 100



ART. 200

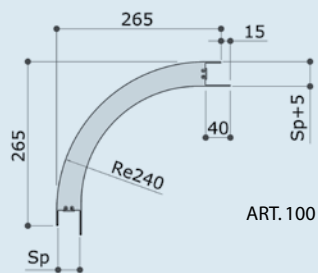


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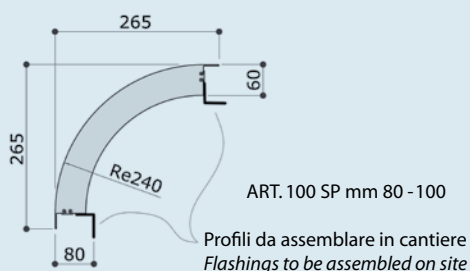


ART. 100

SEZIONE PRODOTTO *PRODUCT SECTION*

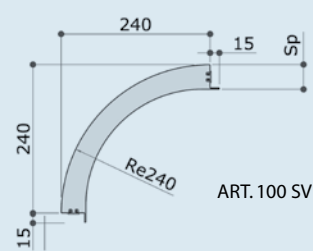


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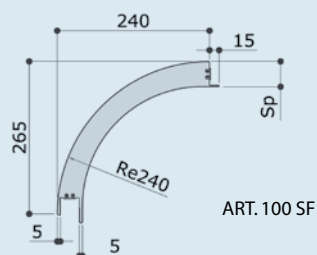


ART. 100 SP mm 80 - 100

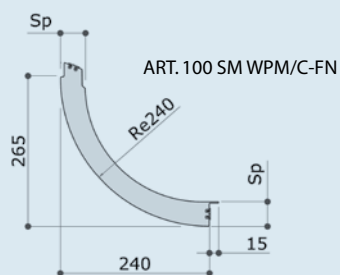
Profili da assemblare in cantiere
Flashings to be assembled on site



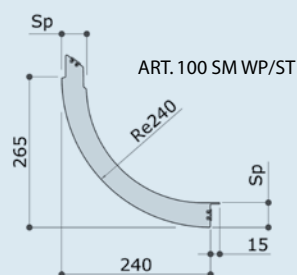
ART. 100 SV



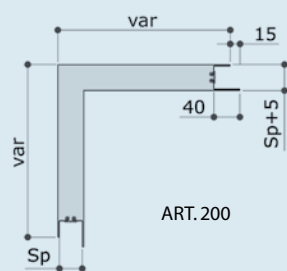
ART. 100 SF



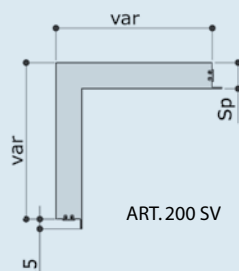
ART. 100 SM WPM/C-FN



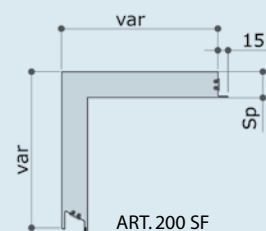
ART. 100 SM WP/ST



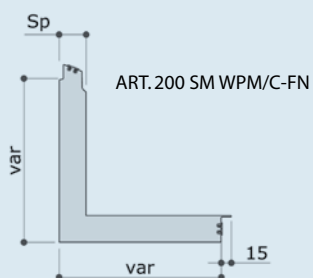
ART. 200



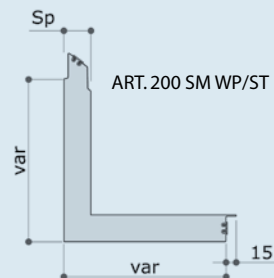
ART. 200 SV



ART. 200 SF



ART. 200 SM WPM/C-FN



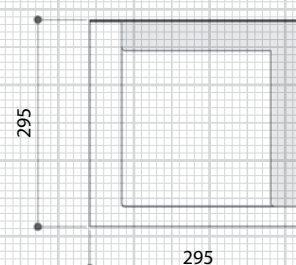
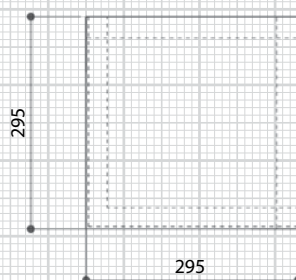
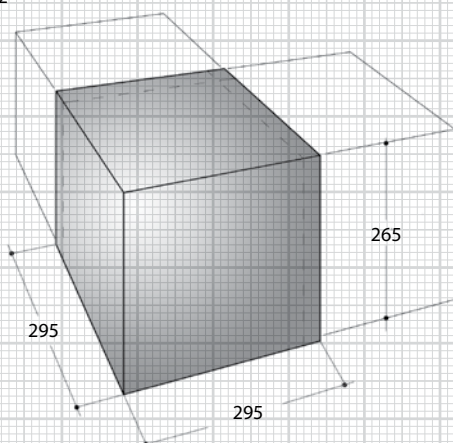
ART. 200 SM WP/ST

var = min.sp. pannello +30 / max 265

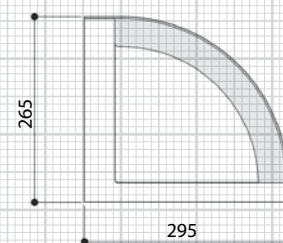
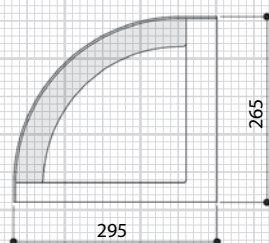
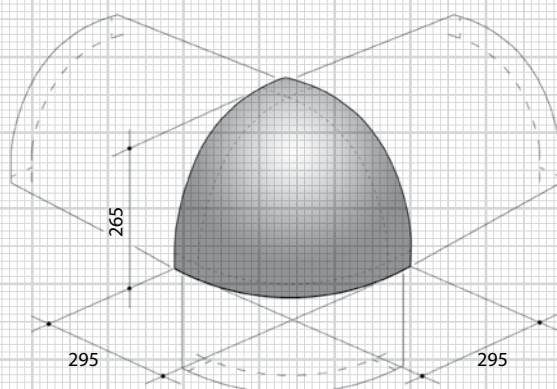
var = min.panel thk. +30 / max 265



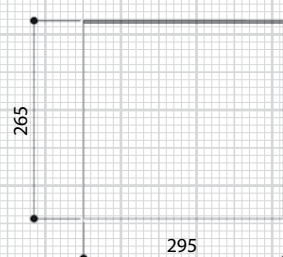
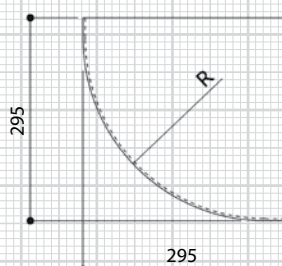
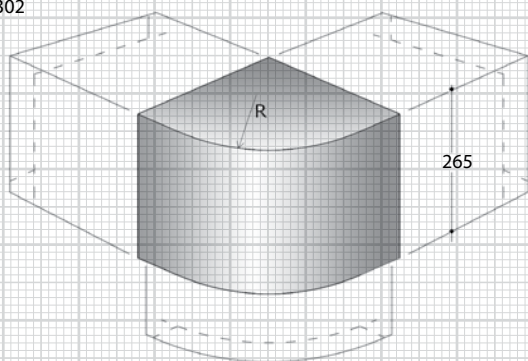
ART.202

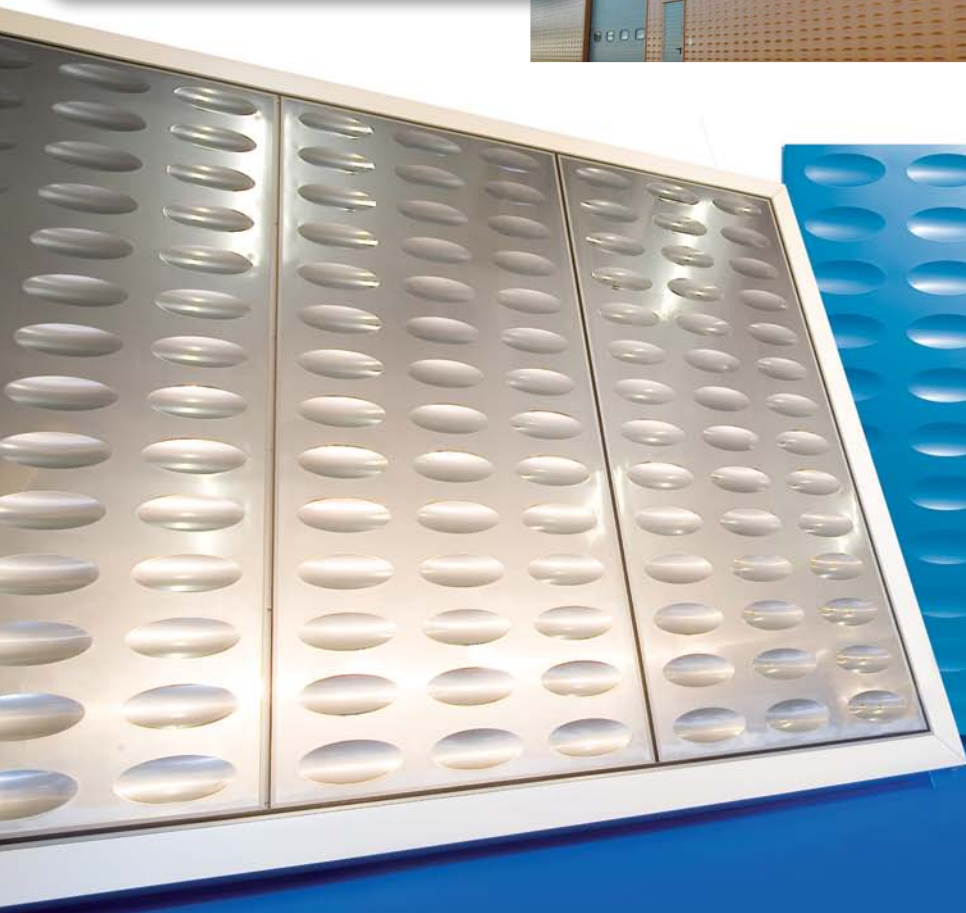


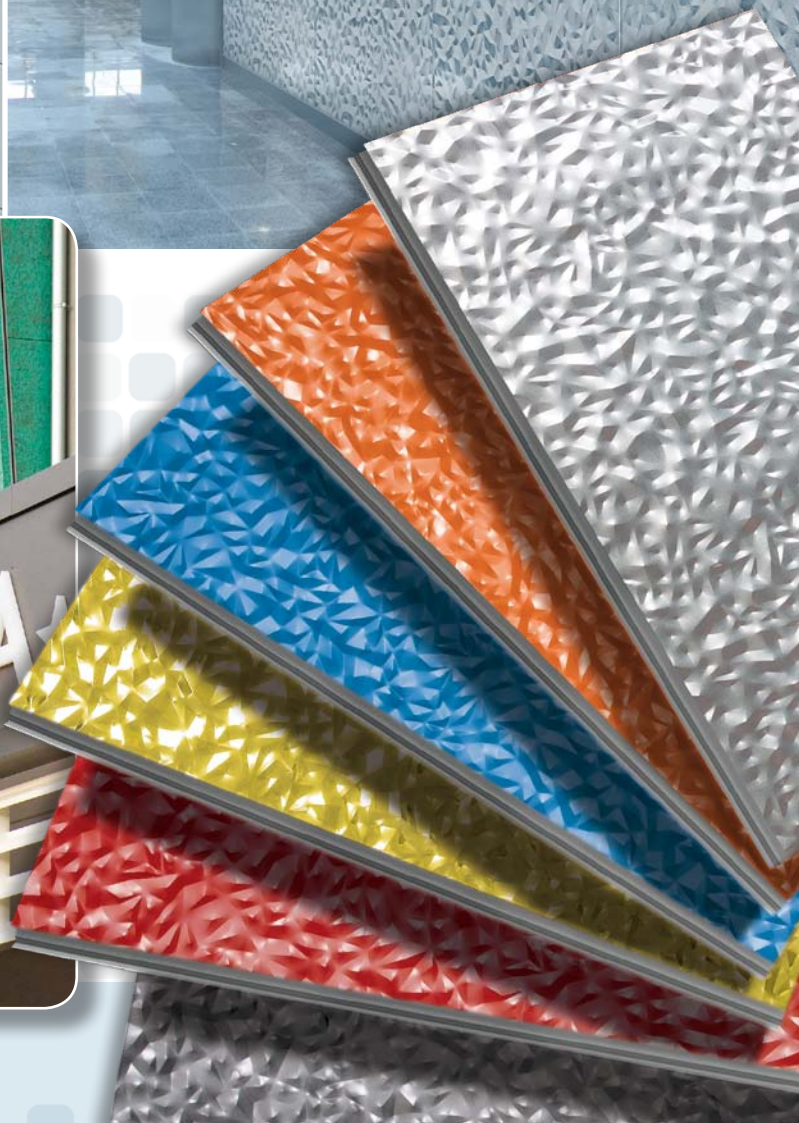
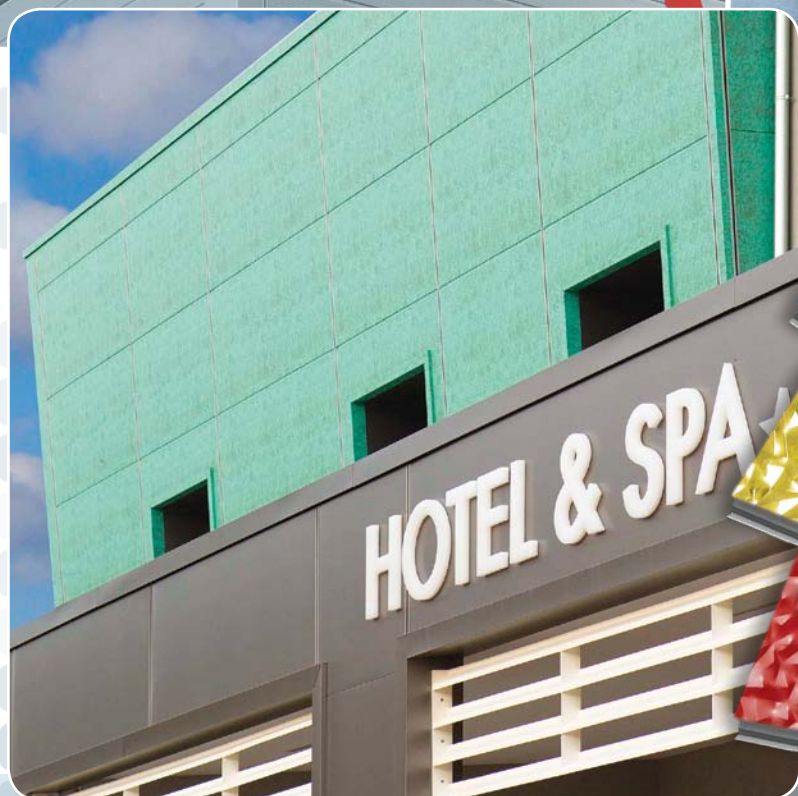
ART.102



ART.302

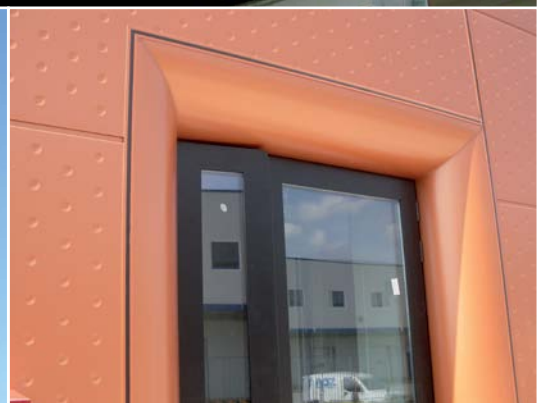






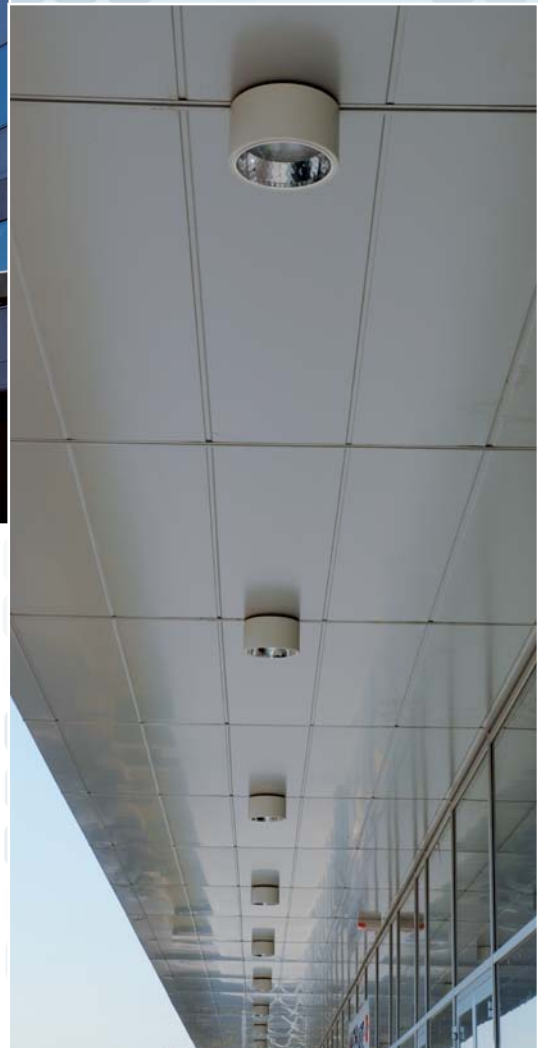








LE GEOMETRIE





FACCIAE ARCHITETTONICHE
SERBOND®

PRIMA... DURANTE... e DOPO EVOLUZIONE dal vecchio al NUOVO

BEFORE... DURING... and AFTER
EVOLUTION from the old building to the NEW ONE

PRIMA / BEFORE



DURANTE / DURING



DOPO / AFTER





PRIMA / BEFORE

DURANTE / DURING



DOPO / AFTER



PRIMA / BEFORE



DURANTE / DURING



DOPO / AFTER



PRIMA / BEFORE



DURANTE / DURING



DOPO / AFTER





PRIMA / BEFORE

DURANTE / DURING



DOPO / AFTER



EFFICIENTAMENTO ENERGETICO E ARCHITETTONICO

ARCHITECTURAL WALL CLADDINGS FOR NEW BUILDINGS, FOR RENOVATIONS AND ENERGY-UPGRADING.

PRIMA / BEFORE



DURANTE / DURING



DOPO / AFTER



FACCIAE ARCHITETTONICHE
SERBOND®



PRIMA / BEFORE

DURANTE / DURING



DOPO / AFTER



PRIMA / BEFORE



DURANTE / DURING



DOPO / AFTER





LE GEOMETRIE

 **bubble**
TERMOPARETI®

 **RUGBY**
TERMOPARETI®

 **FLAT**
TERMOPARETI®

 **CAOS**
TERMOPARETI®

BREVETTATI
elcom system



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