



Products certified by:



RINA
www.rina.it

GOLD
metecno

GOLD
metecno



State-of-the-art
integrated prefabrication
systems

1. PRODUCT DEFINITION

The panels in the **METECNO GOLD** series comprise some of the sandwich panels produced by the Metecno Group. What makes these products different is the choice of quality raw materials and minimum guaranteed characteristics that enable the manufacturer to target a high product quality. Metecno also guarantees a high level of service for them. The geometric properties of the panels in the **METECNO GOLD** series are defined by the designs of the comparable panels in the Standard Series. The technical specifications of the products and production processes, together with the particular operating procedures followed, are certified by an independent authority (RINA).

The products in the **METECNO GOLD** series are issued with a **MULTI-YEAR WARRANTY** covering the panel's structural part.

2. PRODUCT COMPOSITION

Without prejudice to the information provided in the individual product description sheets, the panels in the **METECNO GOLD** series are made using the materials listed below.

2.1 Pre-painted galvanised steel

- Quality of the steel: S280CD UNI EN 10326
- Galvanising: Z225 UNI EN 10326
- Painting:
 - inner side: obligatory back, min. 5 µm.
 - outer side: METCOLOR catalogue, min. 25 µm. guaranteed
- Surface flatness: limited tolerance
- Guaranteed minimum thickness:
 - Flat and slightly corrugated panels: internal and external coatings: 0.5 mm
 - Corrugated panels: internal coating: 0.4 mm external coating: 0.6 mm

2.2 Untreated or pre-painted stainless steel

- Quality of the steel: X5CrNi18-10 UNI EN 10088-1
- Painting:
 - inner side: obligatory back, min. 5 µm.
 - outer side: METCOLOR catalogue, min. 25 µm. guaranteed
- Surface flatness: limited tolerance
- Guaranteed minimum thickness:
 - Flat and slightly corrugated panels: internal and external coatings: 0.5 mm
 - Corrugated panels: internal coating: 0.4 mm external coating: 0.6 mm

2.3 Aluminium

- Quality of the aluminium:
 - alloy EN AW-3105 H26 UNI EN 485-2
- Painting:
 - inner side: obligatory back, min. 5 µm.
 - outer side: METCOLOR catalogue, min. 25 µm. guaranteed
- Surface flatness: limited tolerance
- Guaranteed minimum thickness:
 - All panels: internal and external coatings: 0.6 mm

2.4 Polyurethane insulation

The layer of insulation used for the **METECNO GOLD** panels is made using polyurethane or polyisocyanide foams of the kinds approved for use in the individual production units.

These insulations have the following guaranteed total minimum densities:

- PUR B3 foam: 40 kg/m³
- PUR B2 foam: 42 kg/m³
- PIR M1 foam: 44 kg/m³
- PIR LPC foam: 45 kg/m³

2.5 Finishes

2.5.1. Seals

Flexible seals are used to produce the **METECNO GOLD** panels.

2.5.2. Side tapes

Provision is made for using a specific adhesive tape bearing the certified quality mark.

2.5.3. Protection agents

The surfaces of the **METECNO GOLD** panels are protected by the application of a film of peeling polyethylene directly to the surfaces. This film is then removed before final installation.

3. PRODUCT IDENTIFICATION

The panels in the **METECNO GOLD** range will be identified by:

- The side tape bearing the certified and guaranteed quality mark,
- The colour of the foam, which will be different from that used for the standard version.

4. CHARACTERISTICS GUARANTEED AND CERTIFIED BY THE RINA

1. Minimum thicknesses of coatings and paintwork, as described at points 2.1, 2.2 and 2.3, plus panel performance as specified in the technical description sheet of the **METECNO GOLD** panel in question.
2. Total minimum density of the insulating layer as specified at point 2.4.
3. Packaging for protection against knocks and other damage (see handling instructions in the technical manuals).
4. Delivery guaranteed by the date specified.

Products certified by:



1. PURPOSE

The packaging used for the **METECNO GOLD** panels guarantees that the product is suitably protected during every phase of handling, storage, loading, transporting and unloading on the customer's premises, avoiding all possible damage.

2. DESCRIPTION OF THE PACKAGING

2.1 Coverage and wall panels.

The composition of the package depends on the type and thickness of the panel.

An 8 mm thick chipboard panel, whose length is the same as that of the panels being shipped, is attached to the underside of the package.

The aim of this chipboard panel is to protect the first panel at the bottom of the package from the action of the forks on the forklift trucks used for handling and loading operations.

Under this chipboard panel, expanded polystyrene bars measuring about 6 x 25 x 100 cm are then set at intervals of about 1 m (cover panels) or of 0.8 m (wall panels).

The purpose of this polystyrene is to enable the forks of the forklift trucks to pass underneath the packages themselves without damaging the panels.

A sheet of corrugated cardboard is attached to the top side of the package, to protect the last top panel.

A corner piece is attached to each of the four edges of the completed package to protect the edges and corners of the panels.

The extremity of each package is then wrapped with a sheet of heat-retracting polyethylene of a suitable thickness, so as to seal each end well.

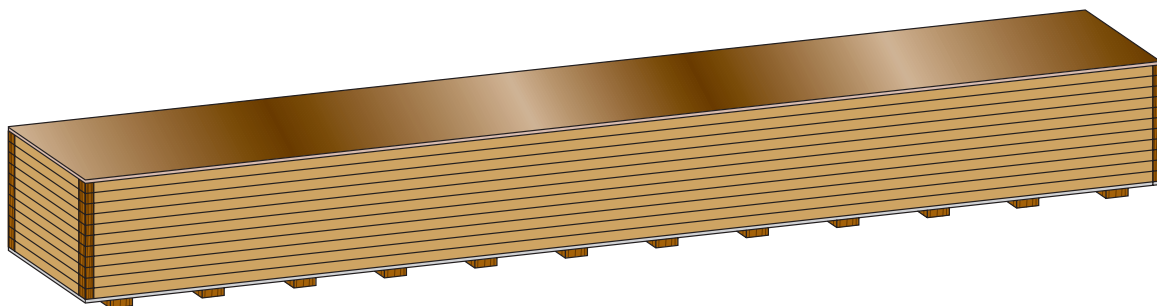
The package is then wrapped around with stretch polyethylene tape.

This tape is applied in such a way that it overlaps suitably and continuously right along the entire package.

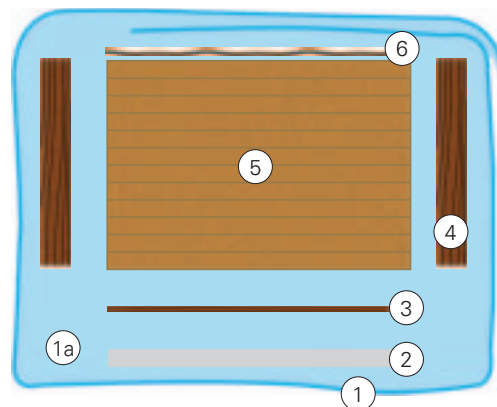
At the two extremities of the package, the tape is applied in such a way that it seals off the packaging of the end with at least three complete layers.

These extremities are then heated by exposing them to a flame generated by a special tool, whose purpose is to stretch the heat-retracting polyethylene and thus clamp the packaging into place.

An automatic orbital wrapping and packaging machine is used to create the package described above.



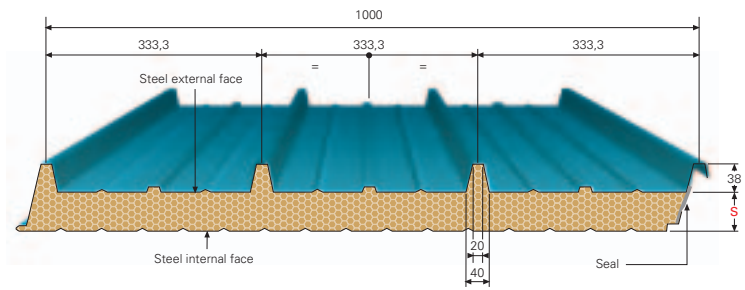
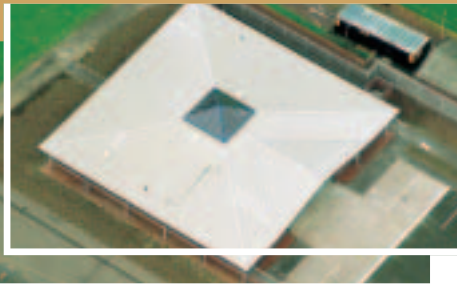
- ① Stretch polythene film
- ①a Heat-retracting polythene film at the extremities
- ② Polystyrene supports
- ③ Chipboard panel
- ④ Protective corner pieces
- ⑤ Panels
- ⑥ Sheet of corrugated cardboard



GLAMET® GOLD

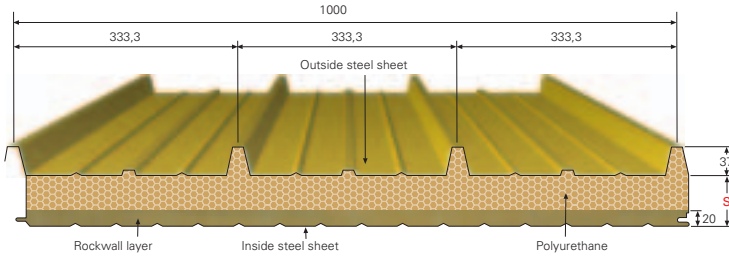
Profiled polyurethane-insulated roof system, slope $p \geq 7\%$

TRADITIONAL ROOF



CONTEMPORARY ROOF

Civil and industrial roof system slope $p \geq 7\%$ insulated with polyurethane and rockwool



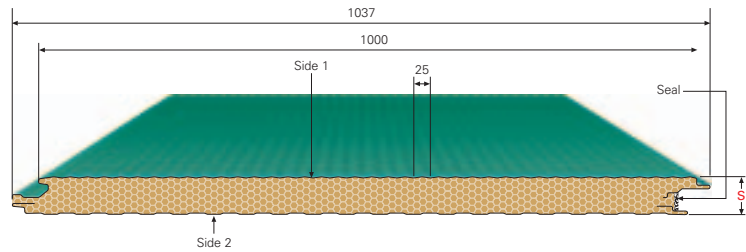
FIREMET® ROOF GOLD



SUPERWALL® GOLD

Insulated polyurethane walls with hidden fastening

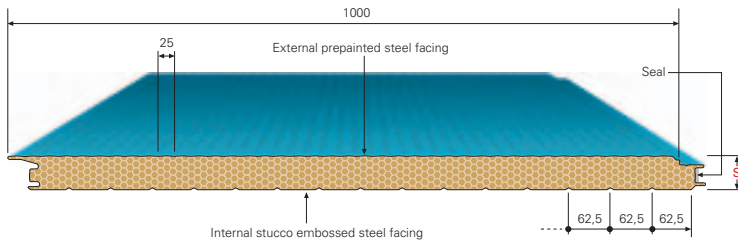
CONTEMPORARY WALL



CONTEMPORARY WALL

Insulated polyurethane walls with hidden fastening

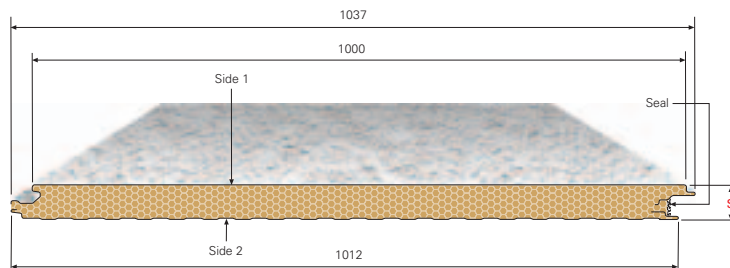
SUPERWALL® ML GOLD



GRANITSTONE® GOLD

Insulated polyurethane walls with hidden fastening

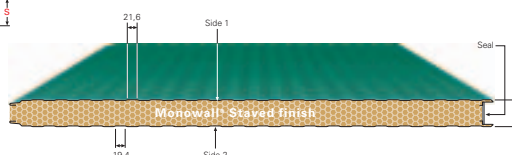
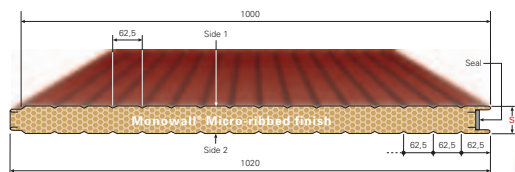
CONTEMPORARY WALL



CONTEMPORARY WALL

Polyurethane insulated wall panels

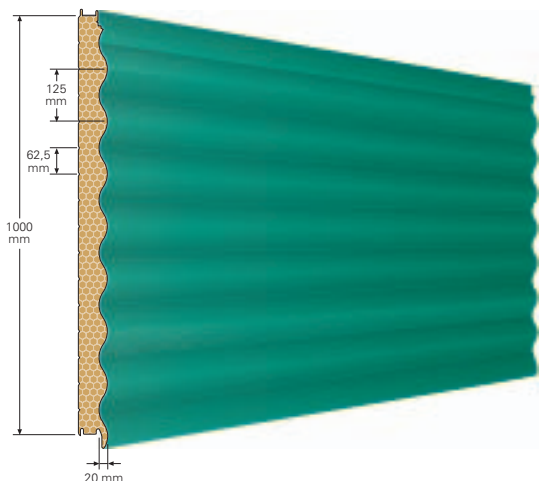
MONOWALL® GOLD



H-WALL® 8P GOLD

CONTEMPORARY WALL

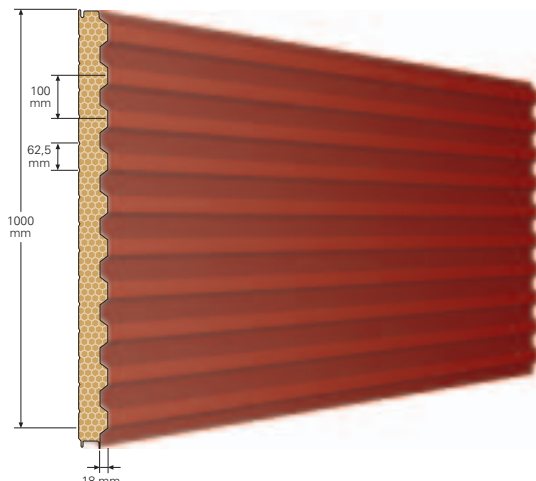
Polyurethane insulated wall system with concealed fastenings



H-WALL® 10P GOLD

CONTEMPORARY WALL

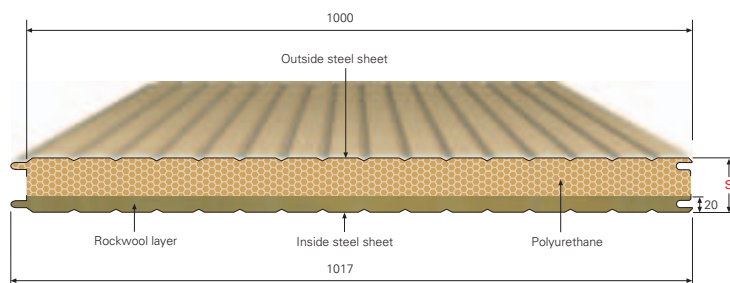
Insulated wall system, with polyurethane



FIREMET® WALL GOLD

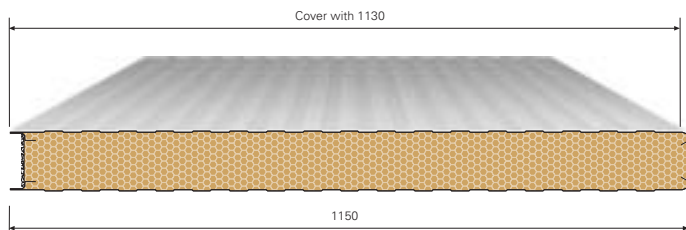
Polyurethane and rockwool insulated wall

CONTEMPORARY WALL



TRADITIONAL WALL

Micro-ribbed panel system with dry joint



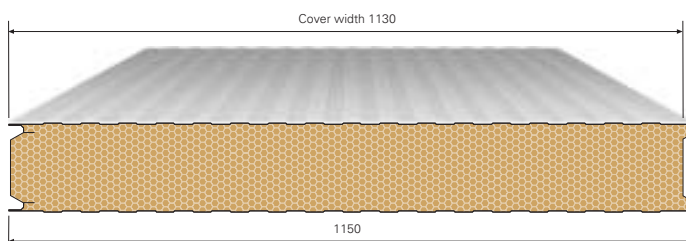
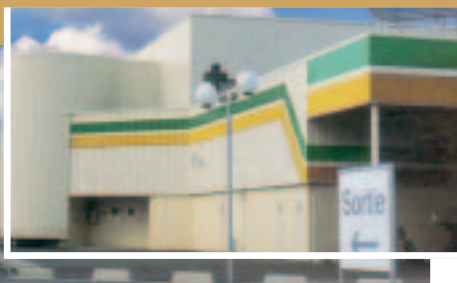
FRIMET® TP-SM GOLD



FRIMET® BT-LM GOLD

Micro-ribbed panel system, with labyrinth joint

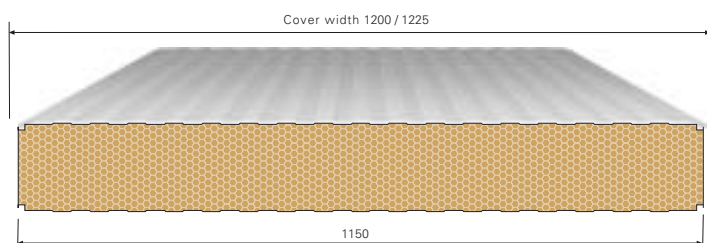
TRADITIONAL WALL



TRADITIONAL WALL

Micro-ribbed panel system, with injected joint

FRIMET® BT-IM GOLD



COMPANIES WORLDWIDE

ITALY

METECNO S.p.A. Div. P.P.S.

Via Risorgimento, 17 - 26867 Somaglia - Lodi
Phone +39 0377 57244/5/6 - Fax +39 0377 447191
www.metecno.com

SIS.CO SpA

Zona Industriale Cimafava
29013 Carpaneto Piacentino - Piacenza
Phone +39 0523 853811 - Fax +39 0523 859728
www.sis-co.it

METECNO INDUSTRIE S.p.A. Div. TOPANEL

Via Per Cassino, 19 - 20067 Tribiano - Milan
Phone +39 02 90638318 - Fax +39 02 90635350
www.metecno.com

BREMET - Brevetti Metecno SpA

Località Istrago - 33097 Spilimbergo - Pordenone
Phone +39 0427 591311 - Fax +39 0427 50487
www.bremet.com

GERMANY

METECNO BAUSYSTEME GmbH

Postfach 20 - D-74377 Ingersheim
Phone +49 07142 5850 - Fax +49 07142 585500
www.metecno.de

SIS.CO DEUTSCHLAND GmbH

Freiberger StraÙ 9 - D-74379 Ingersheim
Phone +49 07142 585205 - Fax +49 07142 585179
www.plasteurop.com

BREMET GmbH

Am Amselberg 1 - 99444 Blankenhain
Phone +49 36454 560 - Fax +49 3645456311
www.bremet.com

SPAIN

METECNO ESPAÑA S.A. (ex-Imetsol S.A.)

Poligono Industrial de Bayas Parcelas 107 - 110
E 09200 - Miranda de Ebro, Burgos
Phone +34 947 330690 - Fax +34 947 330678
www.imetsol.com

BREMET ESPAÑA S.L.

Poligono Industrial Valnalon, S/N
E 33930 La Felguera, Asturias
Phone +34 985 694873 - Fax +34 985 699518
www.bremet.com

METARCH ARCHITECTURAL PANELS S.A.

Avenida Jaime 1º, 54 - 2º A
E 08100 Mollet del Valles, Barcelona
Phone +34 93579 5414 - Fax +34 93579 6117
www.archimet.com

TOPANEL ESPAÑA S.A.

Poligono Industrial de Bayas - Parcelas 107-110
E 09200 Miranda de Ebro, Burgos
Phone +34 947 330690 - Fax +34 947 330678
www.topanel.com

PORTUGAL

METECNO PORTUGAL S.A.

Lugar de Sá - Gême
4730-180 Vila Verde
Phone +351 253 310 140/8 - Fax +351 253 310 149
www.isotope-sa.com

U.K.

BREMET U.K. LTD

Unit 1B - Hill Top Industrial Estate
West Bromwich B70 0TX
Phone +44 121 505 2727 - Fax +44 121 505 2060
www.bremet.com

FRANCE

METECNO FRANCE S.A.R.L.

Route de Chaveyriat - F01540, Vonnas
Phone +33 4 74509100 - Fax +33 4 74500452
www.metecno.fr

AUSTRIA

METECNO TRADING GmbH

Margaretenstrasse, 72 - A 1050, Vienna
Phone +43 1 5852618 - Fax +43 1 585261818
www.metecno.at

SWITZERLAND

METECNO TRADING S.A.

Corso San Gottardo, 32
CH 6830, Chiasso
Phone +4191 6824114 - Fax +4191 6826855
www.metecno.com

U.S.A.

METECNO - ALUMA SHIELD

725 Summerhill Drive
FL 32174 Deland - Florida
Phone +1 386 626 6789 - Fax +1 386 626 6887
www.alumashield.com

METECNO - MORIN

685 Middle Street
06010 Bristol - Connecticut
Phone +1 860 584 0900 - Fax +1 860 582 7503
www.morincorp.com

METECNO - MORIN WEST

10707 Commerce Way
92340 Fontana - California
Phone +1 909 428 3747 - Fax +1 909 428 6433
www.morincorp.com

METECNO - ALUMA PANEL INC.

2000 Morgan Road
95358 Modesto - California
Phone +1 209 531 9091 - Fax +1 209 531 9055
www.apipanel.com

BENCHMARK ARCHITECTURAL SYSTEM INC.

720 Marion Road - 43207-0928 P.O.
Box 07928 Columbus - Ohio
Phone +1 614 444 0110 - Fax +1 614 444 7759
www.benchmarkpanels.com

COLOMBIA

METCOL-METECNO DE COLOMBIA S.A.

Diagonal 109 No. 15-60 Piso 6
Edificio Lemaja, Bogotá
Phone +57 1 6202155 - Fax +57 1 6123887
www.metcol.com

MEXICO

METECNO S.A. DE C.V.

Av. Mesa de Leon No. 116, Km 28,5
Carret. Oro. - S.L.P. Santa Rosa Jauregui
76220 - QRO México
Phone +52 442 2295300 - Fax +52 442 2409066
www.metecno.com

CHILE

METECNO DE CHILE S.A. (FORMAC PANELES)

Av. Nueva Industria No. 200
Comuna de Quilicura - Santiago de Chile
Phone +56 2 24387500 - Fax +56 2 24387590
www.metecno.net

FORMAC PANELES S.A.

Avenida Ramón Freire 6340 - Santiago de Chile
Phone +56 2 37662155 - Fax +56 2 3762165
www.metecno.com

CHINA

METECNO CHINA LIAISON OFFICE

33 Xitucheng Lu - Beijing 100088 - P.R. China
Phone +86 10 82227107 - Fax +86 10 82227106
www.metecno.com

ZHEJIANG METECNO

NEW BUILDING PANELS, CO. Ltd.

66, Jianshe 3rd Rd.,
Xiaoshan Economic & Technical Development Zone
Hangzhou - Zhejiang Province - P.R. China
Phone +86 571 82608801 - Fax +86 571 82608811
www.metecno.com

THAILAND

METECNO (THAILAND) LTD.

25 Soi Watmahawong Moo 9
Poochaosamingprai Road
T. Samrong Klang. A. Prapradang
10130 Samutprakan
Phone +66 2 3846937-8, +66 2 7559265-7
Fax +66 2 754 3482
www.metecno.com

SRI LANKA

METROOF (PVT) LTD.

185, Koratota, Kaduwela
Phone +94 074 795070 - Fax +94 074 443322
www.metecno.com

VIETNAM

JFT METECNO (SAIGON) LIMITED

E14, 40 Ba Huyen Thanh Quan Street,
District 3, Ho Chi Minh City
Phone +84 8 9300962 - Fax +84 8 9300991
www.metecno.com



METECNO S.p.A.

Via Per Cassino, 19 - 20067 TRIBIANO, Milan
Phone +39 02 906951 - Fax +39 02 90634238 - www.metecno.com

METECNO INDUSTRIE S.p.A.

Via Per Cassino, 19 - 20067 TRIBIANO, Milan
Phone +39 02 906951 - Fax +39 02 90634238 - www.metecno.com - info@metecno.it