

CATEGORY BUILDING SYSTEMS



PRODUCT / TECHNOLOGY



Scan QR Code for
Technology Detail

SANDWICH PANEL USING INSULATION CORE

*Alternate to conventional bricks/blocks masonry wall &
non load bearing roof*



Scan QR Code for
Video

CONTACT DETAILS

M/s Metecno India Pvt. Ltd.

Contact Person: Shri Vinayak Dave

Address: 138/30, 2nd Floor, Florida Towers,
Nelson Manickam Road, Chennai-600029

E-Mail : vinayak.dave@metecno.in

Mob: +91-7338836006



BRIEF

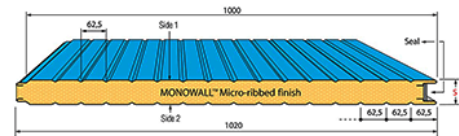
High quality factory produced insulated Sandwich Panels using PUF (Polyurethane foam), PIR (Polyisocyanurate foam) and Mineral Wool (Rockwool) as core insulation. The panels come with both walling & roofing options with brand names as Glamet, Monowall, Frigowall, Hipertec Roof & Wall & Super walls for various commercial, industrial & residential options.

The HIPERTEC ROOF panel is manufactured in accordance with a system patented by Metecno, consists of a profiled external steel sheet and an internal micro-ribbed steel sheet, with an insulation core of orientated fibre high density Rockwool, arranged perpendicularly to the plane of the panel and positioned in strips, laid longitudinally with off-set joints and transversely compacted, in such a way as to completely fill the space between the metal facings.

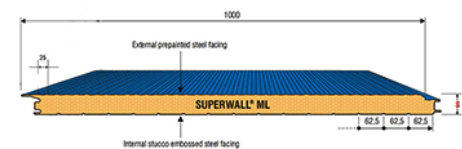
The insulated panel consists of two facings of relatively thin metal sheet profiled preferably and of high strength enclosing a core, which is relatively thick and light but has adequate stiffness in a direction normal to face of the panel. The facings are of steel or aluminium. The core is made of polyurethane PIR mineral wool.

The advantages of insulated panel of factory assembled insulated panels are as under roofing or walling are as under:-

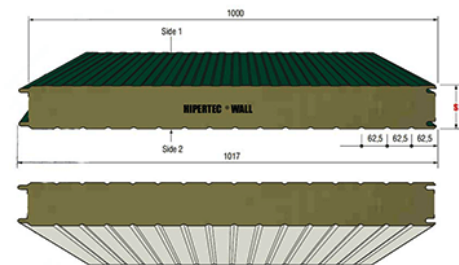
- Excellent and durable thermal insulation
- Good sound insulation w High load bearing capacity at less weight
- Absolute water and vapor barrier
- Easy repair and replacement in case of damage
- Reasonable fire reaction and resistance



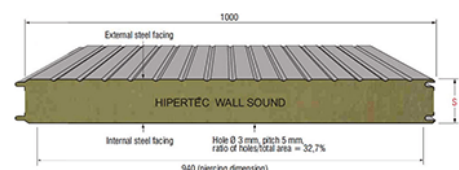
Monowall Wall Panel



Superwall Wall Panel



Hipertec Wall Panel



Hipertec Wall Sound Panel

SALIENT FEATURES

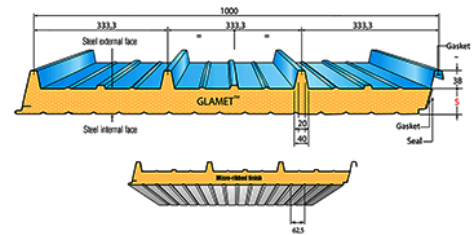
- Insulated panels help in increasing energy efficiency of the building & reduce energy consumption.
- Panels are also available with high degree of resistance to fire and acoustic. Also comes with the option of high aesthetic appearance.

ECONOMIC ASPECTS

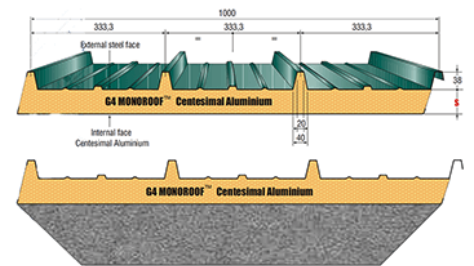
- Long life and very low maintenance cost
- Easy to transport, install & quick construction process.

SUSTAINABILITY ASPECT

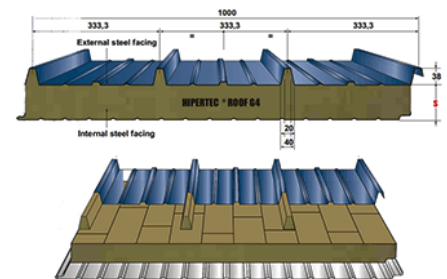
- No greenhouse emissions during production or installation.
- Excellent air tightness and free of thermal bridges which results in considerable energy savings.



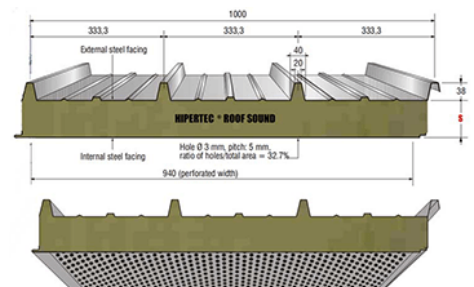
Glamet Roof Panel



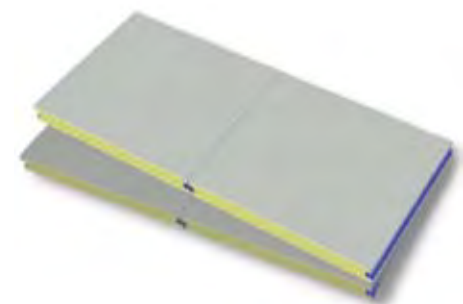
Monorooft Roof Panel



Hipertec Roof Panel



Hipertec Roof Sound Panel



SUITABILITY AND AVAILABILITY

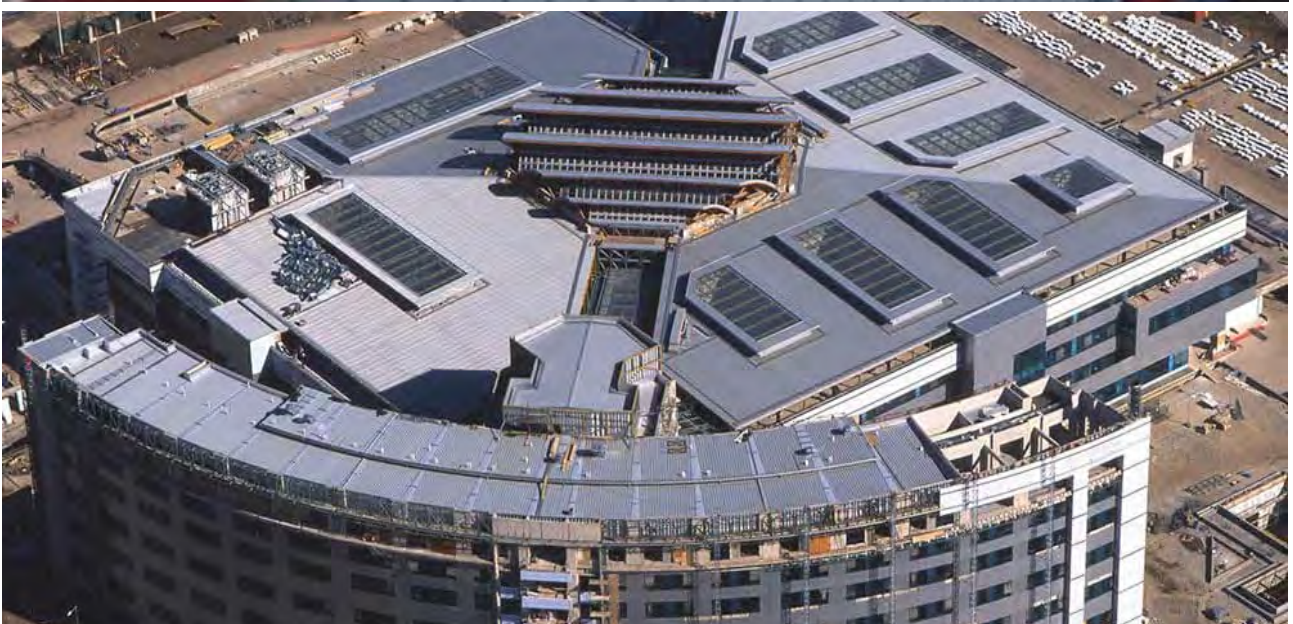
- Capacity for rapid erection without lifting equipment, easier installation in hostile weather conditions
- The panels are supplied through-out the country, and also exported to various South- Asian countries.

LIMITATIONS, IF ANY

- The process/ technology have been implemented with technical collaboration with the principals in Italy. These panels are secondary members, and require the support of primary members to provide the wall and roof cladding solutions.

MARKET LINKAGES

- Easily Available



MAJOR PROJECTS

- Arvind Mills Project –Gujarat, 2019, FANUC, Bengaluru, 2020
- Tata Smartfoodz, Tada, 2020
- Kirby – PGCIL : Pugulur (T.N) and Raigarh (C.G), 2018/19
- NIFT, IRCON, NBCC, Maharashtra
- BGR- Power Plant Projects

CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- PAC by BMTPC for Rock-wool and PUF panels.
- ISO 9001:2015 Certified
- CBRI & CIPET tested
- Panels tested for Fire-rating in NABL Laboratory

