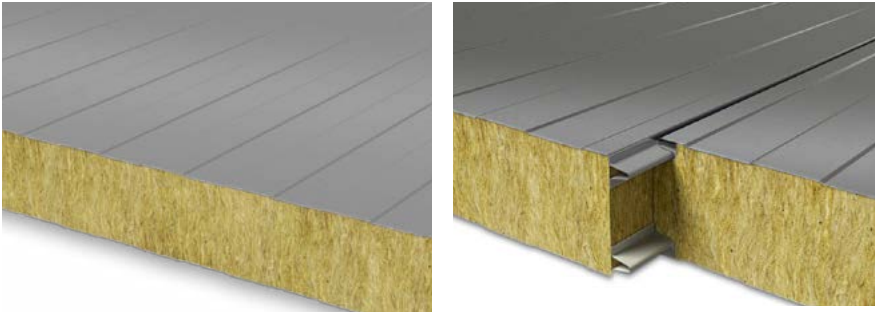


# FIRE RATED WALL PANEL (TGW)

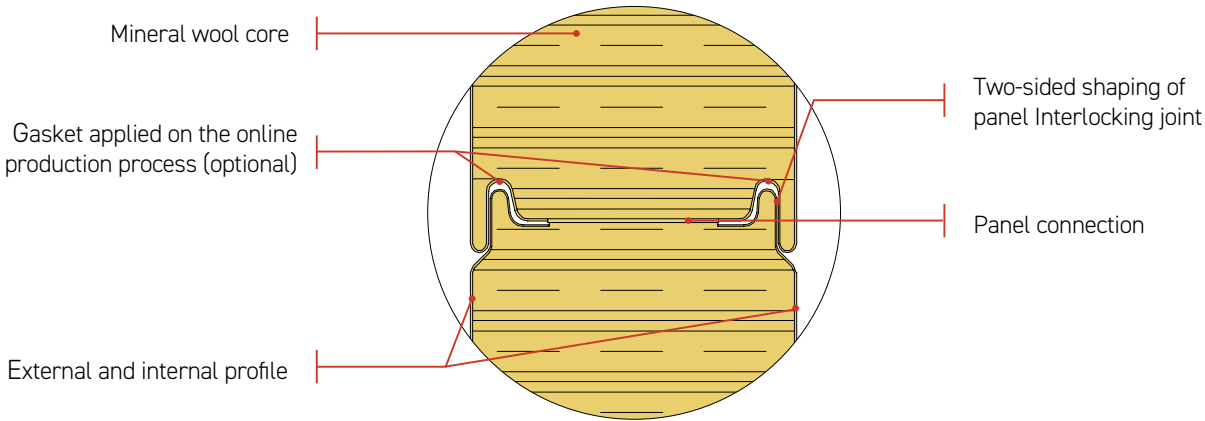
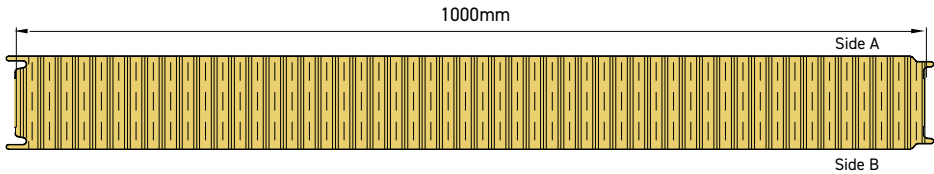


Wall Panels (TGW) are an ideal solution for external wall or internal partition requirements. The high structural integrity of our panels allow excellent panel spanning which reduces the structural support requirements. Spanning of the panels are subjected to the wind pressure. Our wall panels can be installed both vertically & horizontally over the steel structure.

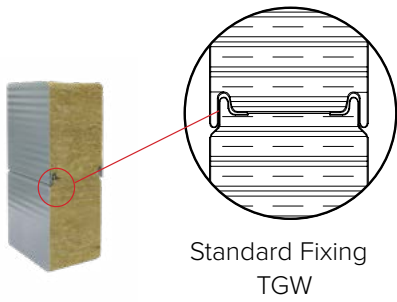


## STANDARD FIXED (TGW) CONNECTION DETAILS

Our Standard Panel Connection depicts our basic method of fixing that can be used in horizontal, vertical and segmental application of panels.







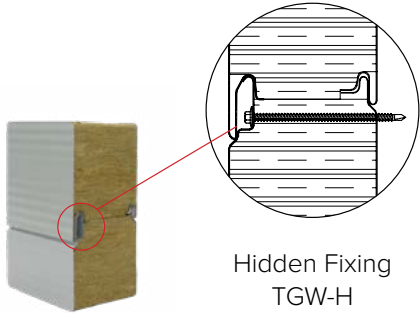
**WALL PANEL (TGW & TGW-H)**



Standard Fixing  
TGW





External/Internal Profile **S V P M**

- Standard **S** 
- Lined **V** 
- Smooth **P** 
- Micro **M** 



Hidden Fixing  
TGW-H

External/Internal Profile **S V P M**

- Standard **S** 
- Lined **V** 
- Smooth **P** 
- Micro **M** 

**PROFILE (TGW)**

**S V P M** INTERNAL PROFILE      **S V P M** EXTERNAL PROFILE

**TYPES OF PROFILES**

**S** STANDARD



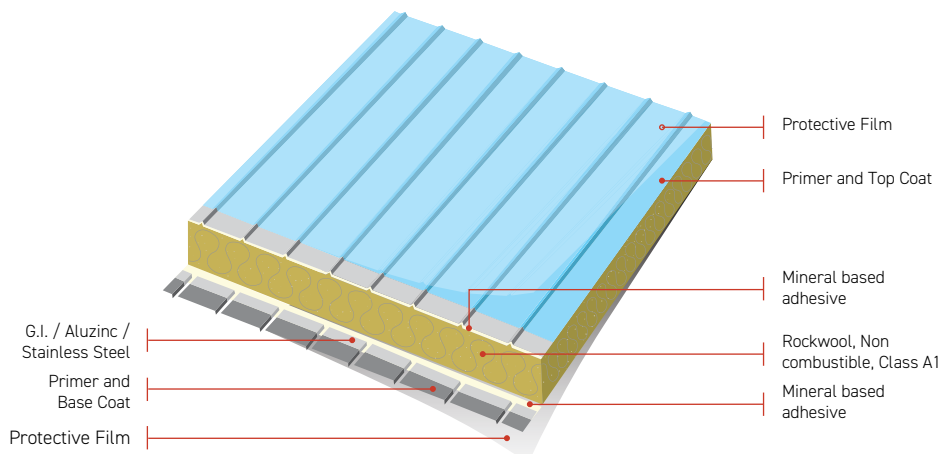
**V** LINED



**P** SMOOTH



**M** MICRO



# SPECIFICATION (TGW)

## FEATURES

Standard covering width of panel is 1000mm.

Panels can be supplied also from size 600mm up to 1200mm.

Profile - standard, smooth, lined and micro lined.

Production flexibility at any ordered length up to 12m.

Core thickness options 50-80-100-120-150-200-240mm thickness.

Insulation - Rockwool, non-combustible. Class A1, Density range 90 - 150kg/m<sup>3</sup>.

Pre-painted G.I, Aluzinc, Stainless steel with thickness of 0.4mm - 0.8mm both sides.

Polyester, (Sil)Polyester, HDPE, PVDF, PUR(PA) a coating system are available in various colour options.

Usage in external facade, internal wall, ceiling that require fire safety, sound reduction, thermal insulation.

Installation can be done both vertically and horizontally.

Fire performance according to EN 13501-1, A2-S1-d0 for Rock Wool insulated wall panels.

U Value - Thermal transmittance range between 0.73 - 0.16 W/m<sup>2</sup>K depending on the panel thickness.

## APPLICATIONS



External wall



Partition walls



Fire partitions



Internal ceilings



Building insulation



Sports Halls



Logistics facilities



Office facilities



Agricultural facilities



Fruit and vegetable storage facilities



Commercial and industrial facilities of increased fire resistance requirements



Modular Units



Electrical Rooms



Pump Houses



Data centres