



**GRIDSQUARE® Panels wall for cleanroom are highly advanced sandwich panels using a core material of rockwool as insulating core material. The Antibacterial powder coat /powder coating over the Stainless Steel /Aluminium/GI with Rockwool/Glasswool/Polyurethane core to form a high performance with all features needed for Modular OT'S, Clean Rooms and CSSD's.**



## **GRIDSQUARE® Modular OT'S, Clean Rooms and CSSD's WALL PANEL SYSTEM**

### **PRODUCT SPECIFICATIONS AND TECHNICAL PERFORMANCE**

**Item - GRIDSQUARE® Wall Panel**

**Colour** – All Solid RAL Colours subject to availability

**Coating:** Antibacterial Powder Coat (On request/All alloys)

**Standard Size (mm)** – 1250 X 2950 mm (Customised As Per Clean Room/OT's Size)

**Thickness** – Approx. 50-60 mm with Core Insulation of Rockwool/Glasswool/PUF (Polyurethane Insulation) of various density i.e. 40Kg/m<sup>3</sup>-120 Kg/m<sup>3</sup>.

**Base Material - GRIDSQUARE®** panels are made of Stainless Steel/GI/Aluminium Alloy.

**Fire Performance** - BS 476: Part 04, certified Rockwool used for insulation.

**Acoustic Performance** - STC tested as per IS: 9001 Part (III)-1981, DIN: 52210 Part – 1 -1983-08, ISO: 10140 (Part II)/ ASTM-E-90 depending on the insulation and the acoustic inlay i.e. Rockwool, GlassWool, Polyurethane Insulation.

**Sustainability** -Self declaration with CE directive 89/106/EEC.

**Certified – IGBC Green Product**

#### **Green Performance**

- Low Carbon Footprints as all raw material procurement and manufacturing is done locally.
- Perpetually recyclable material used
- GRIHA V. 2019 criterion: 11;GRIHA V.2015 criterion: 11;& GRIHA V.3 criterion: 29

#### **INSTALLATION**

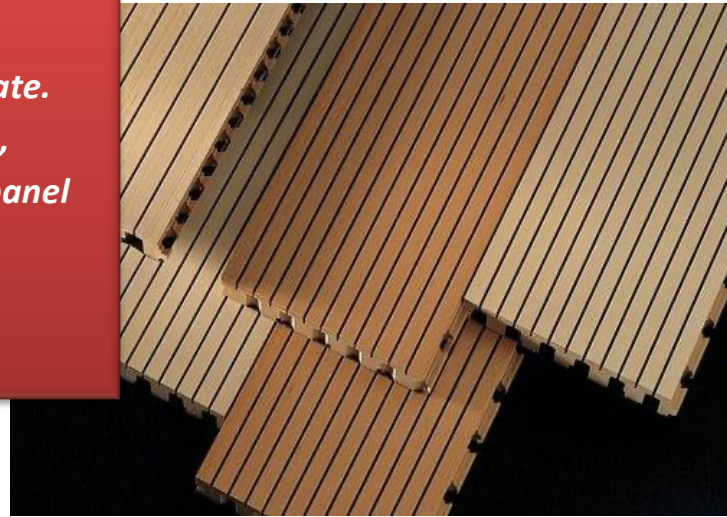
Acoustic Wall Panel can be easily installed by screwing tongue & groove steel profile section.

Each Panel is sealed from all four side with extruded Aluminium profile, designed to create the structure and complete closure of the internal insulation.

Panels can be installed either vertically or horizontally but vertical installation is most practical and recommended solution for high wall. Wall panels are erected in U-channel base runner at bottom.



*GRIDSQUARE® woodworks wall panel system are quick to install and easy to maintain. Wall systems are a smart investment in productivity. In fact, in many environments speech privacy has become a mandate. Wall system available in a variety of wood species, stains, sizes, and perforation options. Perforated panel with backing improves sound quality and reduces reverberation time within a space*



## **GRIDSQUARE® WOODEN/FABRIC PERFORATED WALL PANEL SYSTEM**

### **PRODUCT SPECIFICATIONS AND TECHNICAL PERFORMANCE**

**Item** - GRIDSQUARE® Wooden Wall Panel

**Colour** – All Wooden Shades subject to Availability

**Standard Size (mm)** – 2400 X 192 mm, 2400 X132 mm (Custom size available)

**Thickness** – 15mm, 16mm

**Fluted Perforation Pattern**- 3mm width and 533/13mm/21mm visible panel each

**Edge** – Tongue and Groove

**Base Material** - GRIDSQUARE® Moisture Resistance Board and High Density Fiber board

**Finish**- laminate/ Eggshell gloss

**NRC** – 0.60

**Green Building** - GRIHA V.2015 criterion: 11 & V.3 criterion: 29 certified  
- IGBC certified Green Product

**Sustainability** -Self declaration with CE directive 89/106/EEC.

#### **INSTALLATION**

Wooden Wall Panel can be easily installed by mounting on splines of Wooden/GI fixed at the spacing of 300mm/600mm center to center and made of aluminium extruded channel (keel) with the help of clips.

**Design Consideration**- 5-6 cartons should be opened on site and mixed together before installation. They should be arranged aesthetically with regards to the shades and grains.

**Application Consideration** –Variation among panels may occur from batch to batch. It is very important that woodwork panels are climatized prior to installation.

Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained throughout the life of the product.