



# MULTISTOP™

For Enhanced Sound insulation,  
Fire & Impact resistance

 **TRIPLE**  
ADVANTAGE  
BOARD

**USG BORAL**   
INNOVATION INSPIRED BY YOU.™

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Plasterboards

Ceilings

Joint Compounds

Metal Framing

Substrates

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## Introduction

Multistop™ 3 is a gypsum board which provides excellent solution in projects demanding multiple performance criteria from drywalls. This out performs all other gypsum boards with its multi-attribute proprieties. Multistop™ 3 is suitable for a wide range of drywall applications. This is ideal for high traffic areas in offices, public utility buildings, hospitals, schools, industrial applications etc.

Multistop™ 3 has been specially engineered to suit multiple project requirements & expectations from drywalls like Fire Resistance, Sound Insulation & Impact Resistance.

Sound Insulation



Fire Resistance



Impact Resistance



# 3in1

MULTI PERFORMER

# MULTISTOP™



TRIPLE  
ADVANTAGE  
BOARD

## About Multistop™ 3

Multistop™ 3 is manufactured from high purity calcium sulphate with two molecules of water ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) stored in the crystalline form which is encased & bonded between two heavy duty specially manufactured paper liners.

The high density core is enriched with glass fibers & other additives which improves the fire, acoustic & impact performance expected of Drywall systems.

These are Tapered Edge boards with exceptionally high longitudinal & transverse strength to suit D,F,I,R types of plasterboards as mentioned in BSEN520 Standard

MULTISOP™ 3 Gypsum board is an innovative™ product which caters to the need of 3 critical performance parameters desired from Drywalls in various building types.



## Advantages



### Impact resistance

High density Plasterboard with heavy duty paper liners and specially formulated core leads to high Impact Resistance.



### Fire resistance

Multistop™ 3 Core is enriched with glass fibers and other additives which provide high performance Fire Resistant Assemblies.



### Sound Insulation

High density Plasterboard with heavy duty paper liners and specially formulated core that helps in achieving higher Sound Insulation in Drywalls.



### Superior Finishing

The Paper surface offers numerous finishing options like Paints, Wall Papers and Tiles etc.



# Multistop™ 3



Impact Performance



For enhanced Impact Resistance



Acoustic Performance



For enhanced Sound Insulation



Fire Resistance



For enhanced Fire Resistance

# Multistop™ 3 Confirms to BS EN 520

## Type D plasterboard

These boards have a controlled density, with a face to which suitable gypsum plasters or decoration may be applied. This enables improved performance in certain applications. For the purposes of identification these boards are designated Type D. The density of gypsum plasterboard type D (or combined) shall be at least  $0.8 \times 10^3 \text{ kg/m}^3$ .

## Type F plasterboard

Plasterboard with a face to which suitable gypsum plasters or decoration may be applied. These boards have mineral fibres and/or other additives in the gypsum core to improve core cohesion at high temperatures. For the purposes of identification these boards are designated Type F. When a type F plasterboard (or combined) is subjected core cohesion test at high temperature, none of the 6 specimens will break.

## Type I plasterboard

These boards are used for applications where higher surface hardness is required. They have a face to which suitable gypsum plasters or decoration may be applied. For the purposes of identification these boards are designated Type I. The surface hardness of gypsum plasterboard type I (or combined) is characterised by the diameter of the depression produced during the surface hardness test. The diameter of the depression shall not be greater than 15 mm.

## Type R plasterboard

These boards for special applications where higher strength is required have both increased longitudinal and transverse breaking loads. They have a face to which suitable gypsum plasters or decoration may be applied. For the purposes of identification these boards are designated Type R.

## Product details

Description	Specification	Unit	Result
Flexural Strength (MD) as per type R*	754	N	> 754 N
Flexural Strength (CD)	312	N	> 312 N
Length	1830	mm	1830 mm
Width	1220	mm	1220 mm
Thickness	13	mm	13 mm
Density as per type D*	$0.80 \times 10^3$	$\text{Kg/m}^3$	$>950 \text{ Kg/m}^3$
Surface Hardness as per type I*	< 15	mm	< 15mm

\*For actual test results refer test certificate.

# Multistop™ 3: Drywalls

## 98mm Drywall system

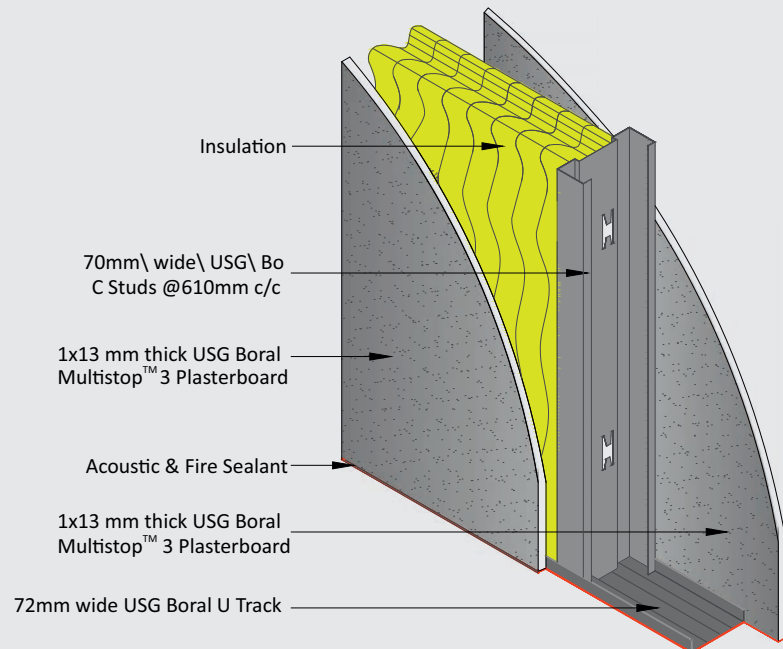
### System Configuration

1x13 mm Multistop™ 3 secured on both sides of 70mm C-Studs with 50mm insulation.

**Overall thickness:** 98mm

**STC:** 49

**Fire Resistance (In Minutes)** 60min\*



\*Based on estimated value with insulation in the cavity

## 124mm Drywall system

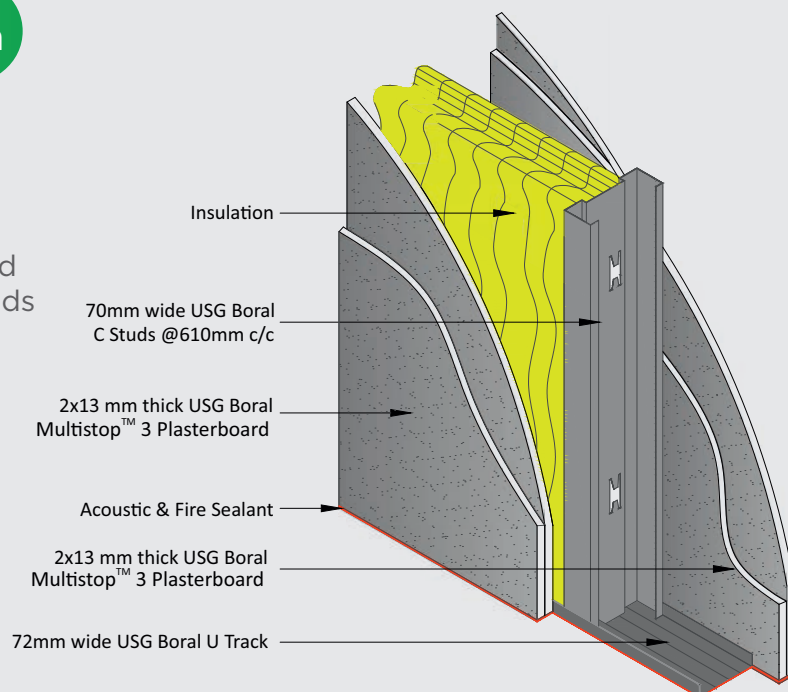
### System Configuration

2x13 mm Multistop™ 3 secured on both sides of 70mm C-Studs with 50mm insulation.

**Overall thickness:** 124mm

**STC:** 55

**Fire Resistance (In Minutes)** 120min\*



\*Based on Firebloc™ tested systems

# Why Multistop™ 3 scores over other plasterboards in the similar category

## Multi-attribute

Single Plasterboard offers 3 inherent properties - Fire, Acoustics and Impact Resistance.

## Acoustics & Fire performance

Single & Double layer Multistop™ 3 system Drywall offers superior acoustics and Fire resistance than plasterboards in the similar category having same configuration.

## Solutions

Having multiple advantages it helps in designing & exploring cost effective numerous Drywall solutions in combination with other plasterboards like Standard, Firebloc, Mistbloc etc to achieve desired performance in projects.

## Space Saving

Helps in delivering cost effective & Slim Drywalls.

## Economical offering

Helps in achieving superior acoustic performance in Drywalls with C-Studs. Eliminates the usage of high cost Sigma shape Studs for achieving higher acoustics & hence an economical Drywall offering.

## Superior Impact resistance

Multistop™ 3 when used in Drywalls offer superior surface hardness resulting in high impact resistance.

## Superior Finishing

Multistop™ 3 has been manufactured with heavy duty paper liners which helps in achieving multiple & superior finishing options.



# Applications

Reception



Auditorium



Libraries



Music Room



Hospitals



Restaurants



Retail Fit-outs



Offices



Australia  
China  
**India**  
Indonesia  
Malaysia  
Middle East  
New Zealand  
Thailand  
Philippines  
Singapore  
South Korea  
Vietnam

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