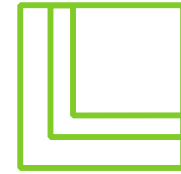




solid
ceiling
products



SOLID PRODUCTS
SOLID SERVICE
SOLID PEOPLE

Solid Ceiling Products is a supplier of superior ceilings and partitioning's based in Johannesburg and Durban.

As an owner-run company, we pride ourselves on personalised, efficient service, integrity, transparency and reliability.

Solid Ceiling Products is committed to providing both the commercial and private sectors of the construction industry with excellent products, expert knowledge, the best service and highly competitive pricing. We specialise in ensuring large contracts are delivered timeously, both locally and further afield throughout Africa and the Indian Ocean Islands. Our head office is located in Honeydew, Johannesburg.

If you're in need of a ceiling, in whatever shape or form, look no further than Solid Ceiling Products.

PRODUCTS WE HAVE TO OFFER

- ❑ SOLID T-GRID
- ❑ SOLID CEILING TRANSITIONS
- ❑ SOLID ALUMINIUM SECTIONS / PROFILES
- ❑ SOLID STEEL STUD AND TRACK
- ❑ SOLID PLASTICS AND ACCESSORIES
- ❑ ACOUSTICAL TILES
- ❑ SOLID CEILINGS FIRE RATED SYSTEMS
- ❑ SOLID CEILINGS MOISTURE RESISTANT DRYWALLING SYSTEMS
- ❑ SOLID CEILINGS REGULAR DRYWALL

SOLID T-GRID

FEATURES OF SUSPENDED T-SYSTEMS

- Ease of installation
- Ease of maintenance
- Integration with other services
- Conforms to industry standards
- Sound absorption options
- Pre-finished ceiling systems
- Interchangeable tiles for different areas
- Tiles are replaceable
- Wide choice of formats (sizes and edges)
- Systems are demountable
- Systems are economical
- Neat finish and appearance

SPECIFICATION

Galvanised Grid

SECTIONAL VIEW	T-GRID TYPE	DIMENSION
	SOLID - T37 Main Tee	38x35x0.4x3600mm
	SOLID - T32 Cross Tee	32x35x0.4x1200mm

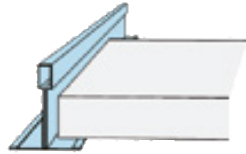
All Ts double web design with rectangular bulb manufactured from 0,35mm galvanised steel.

White Exposed Grid

SECTIONAL VIEW	T-GRID TYPE	DIMENSION
	SOLID - White Main Tee	38x24x0.4x3600mm
	SOLID - White Cross Tee	32x24x0.4x1200mm

All Ts to be covered with pre-painted white galvanised steel capping. Suspension shall be in accordance with the manufacturer's recommendations.

T-GRID INSTALLATION SECTIONAL VIEW



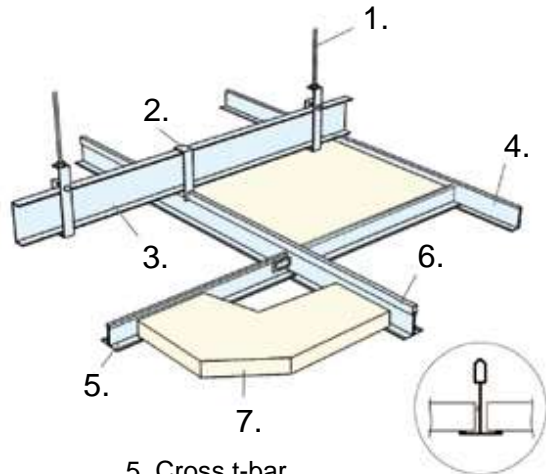
Square Edge



Angled Tegular

SYSTEM INSTALLATION INSTRUCTION

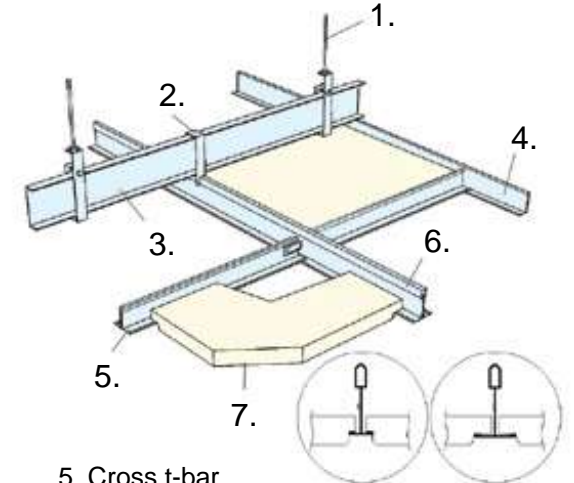
SQUARE



- 1. Hanger wire and clip
- 2. Adjustable hanger clip
- 3. Carrying channel
- 4. Wall moulding

- 5. Cross t-bar
- 6. Main t-bar
- 7. Square tile

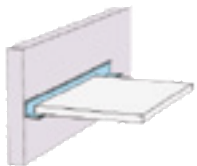
ANGLED



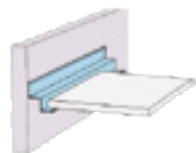
- 1. Hanger wire and clip
- 2. Adjustable hanger clip
- 3. Carrying channel
- 4. Wall moulding

- 5. Cross t-bar
- 6. Main t-bar
- 7. Square tile

WALL ANGLE INSTALLATION SECTIONAL VIEW

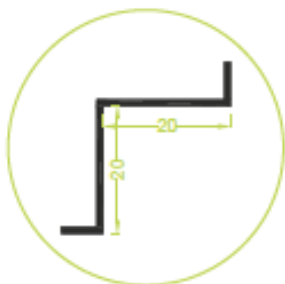


L Shape



W Shadow-Line

SOLID SHADOWLINE TRIM



TECHNICAL DATA

DIMENSIONS

M6 Wall Angle

24mm x 19mm x 3600mm

Shadow-Line Wall Angle

24mm x 20mm x 20mm x 13mm x 3600mm

MATERIAL

THICKNESS

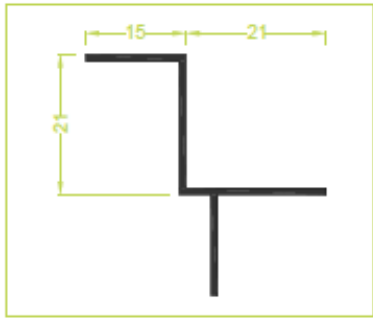
Wall Angle

0.4mm (+/- 0.02mm)

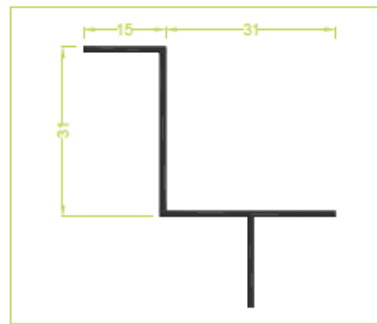
SOLID CEILING TRANSITIONS

SHADOW LINE PLASTER TRIMS

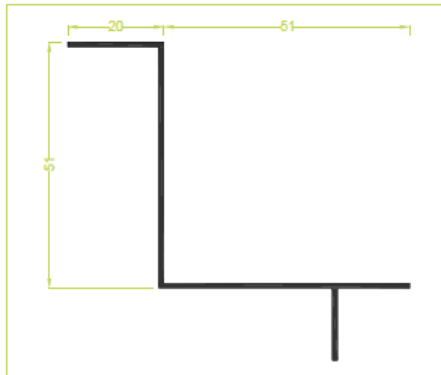
An aluminium section for plasterboard concealed T ceilings to create a 20 x 20mm/ 30 x 30mm/ 50 x 50mm shadow line at the perimeter with wall surface using 9mm/12mm gypsum board.



20mm Aluminium Plaster Trim

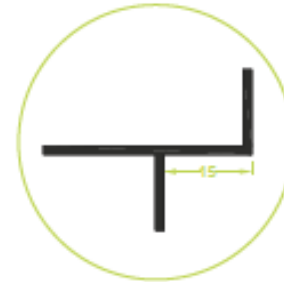


30mm Aluminium Plaster Trim



50mm Aluminium Plaster Trim

SOLID ALUMINIUM POWDER COATED PLASTER TRIMS



The Plaster Trim is used to create a modern finish with a shadow line to the flush plaster ceiling using galvanized white powder coating. This option is ideal for minimalist clean lines versus traditional polystyrene or gypsum cornices for ceilings. The Plaster Trim Profiles can be used with the Galvanised Grid or Steel Brandering suspension systems, and are available in aluminium or steel.

SOLID ALUMINIUM SECTIONS / PROFILES

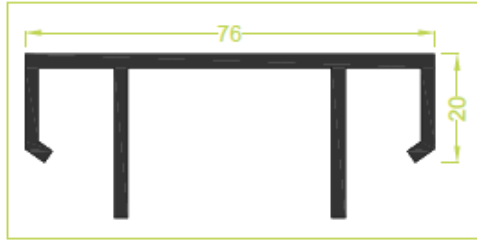


76MM ALUMINIUM

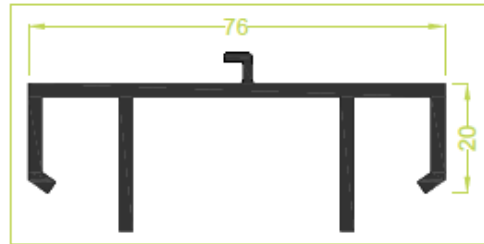
Aluminium profiles are fixed to the studs and into each other to create door openings and window openings for the drywall. The aluminium gives a pleasing aesthetic overall finish to the drywall.



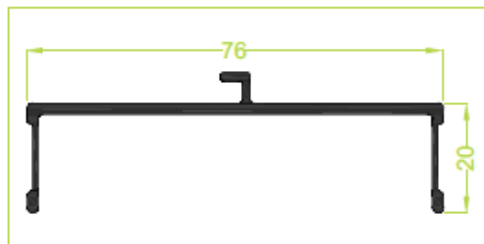
Head Channel



Wall Channel



DF Legged



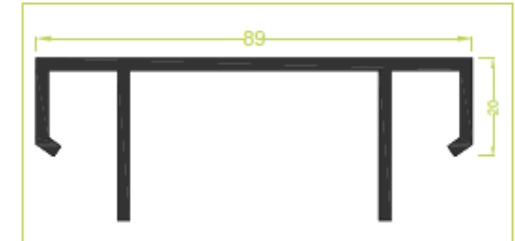
Gasket

89MM ALUMINIUM

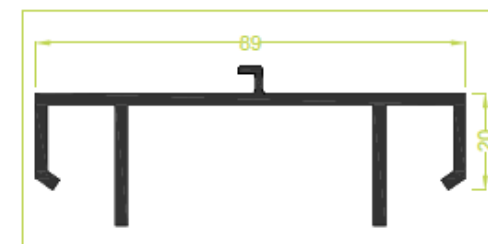
The 89mm aluminium profiles are specifically designed to create an overall wall thickness of 90mm when combined with the studs and the Solid boards. The aluminium gives an aesthetic overall finish to the drywall.



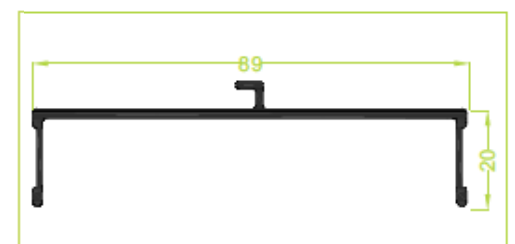
Head Channel



Wall Channel



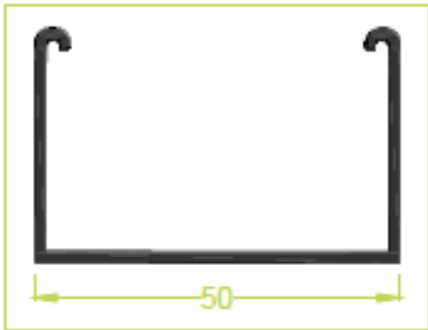
DF Legged



Gasket

SOLID STEEL STUD AND TRACK

Solid Ceilings stud and track has a 0.45mm thick profile with a zinc coating of ZN120. We have 3 widths of dry walling solutions with lengths ranging from 2.4m all the way up to 6m's. Should dry walling solutions taller than 6m's be required, Solid Ceilings can tailor a solution for you signed off by our structural engineer.



Stud



Stud



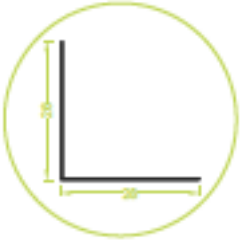
Stud

Solid Ceilings bottom track comes in a 52mm, 64mm or 103mm widths o fit the required stud size.



Bottom Track

SOLID PLASTICS AND ACCESSORIES



28 x 28 x 0.5 x 3m

CORNER BEADS

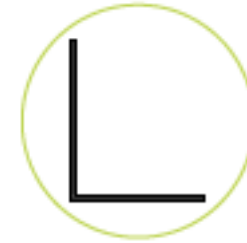
Galvanised corner beads are easily used in plaster, providing reinforcement where needed, mainly to ensure straight corners.



116 x 155 x 2.5m

PLASTIC ARCHWAY CORNER BEAD

With 90 degrees inside corner bead, this is used where a curve or arch is formed.



1 x 1.25 x 25 x 0.8mm x 3.6m

GALVANISED WALL ANGLE

Galvanised mild steel angles are used within partitions, column and beam encasements and as the hanger in flush plastered ceilings.



7mm

H STRIP

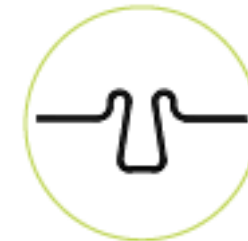
7mm H Strips (sometimes referred to as joining strips) are ideal for Solid Gypsum 7mm board and 6mm Nutec cement boards.



122 x 0.12 x 2.5m

FLEXI WALL ANGLES

Wall angles so versatile they can be used for both inside and outside radius applications.



142 x 111 x 2.5m

PLASTIC EXPANSION JOINTS

Used in within larger flush plastered areas and is used to avoid cracking of the ceiling or wall.

ACOUSTICAL TILES

SKYE
PINHOLE



FEATURES

- Stereoscopic surface treatment makes the ceiling more natural and graceful.
- Non-directional pattern makes it easy to install.
- High light reflectance.
- Effective sound absorption.

Fire resistance*

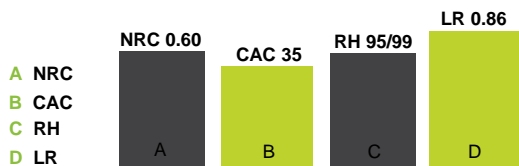
Class A: Flame spread 25 or under ASTM E84

B grade: China standard

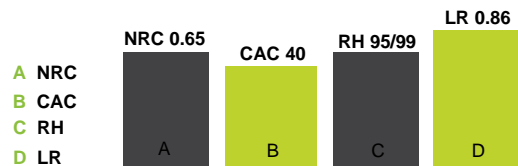
Class 0: Britain standard BS476 part 6 & 7

Recycled Materials: **48%**

SKYE PINHOLE performance standard (16mm)



SKYE PINHOLE performance standard (18mm)



CEILING AND T-GRID



Square Lay-in board
with Solid Ceiling
M150 flat T-grid

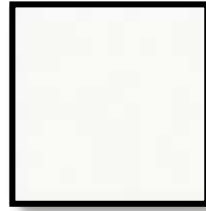


Beveled Tegular board
with Solid Ceiling
M3000 flat T-grid

VISUAL STANDARD

Edge details	Item NO.	Dimension	
SKYE PINHOLE square edge			
	5130	24x24x7/11"	
	5130M	600x600x16mm	
	5131	24x48x7/11"	
	5131M	600x1200x16mm	
SKYE PINHOLE beveled tegular edge			
	5132	24x24x7/11"	
	5132M	600x600x16mm	
	5133	24x48x7/11"	
	5133M	600x1200x16mm	

ELEGANT



FEATURES

- ❑ Outstanding sound absorption performance with a graceful surface.
- ❑ Special acoustic tissue laminated that provides a stronger and more durable surface.
- ❑ Non-directional pattern reduces installation time and scrap.
- ❑ High light reflectance.
- ❑ Excellent fire-resistant performance.
- ❑ Asbestos free.

Fire resistance*

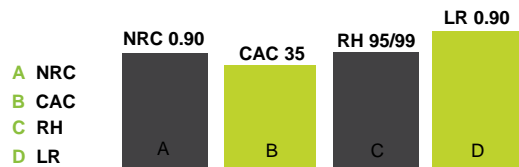
Class A: Flame spread 25 or under ASTM E84

B grade: China standard

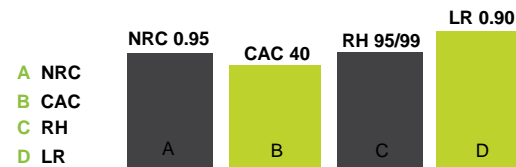
Class 0: Britain standard BS476 part 6 & 7

Recycled Materials: **75%**

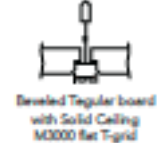
ELEGANT performance standard (15mm)



ELEGANT performance standard (20mm)



CEILING AND T-GRID



Square Lay-in board with Solid Ceiling M150 flat T-grid

Beveled Tegular board with Solid Ceiling M2000 flat T-grid

VISUAL STANDARD

Edge details	Item NO.	Dimension	
ELEGANT square edge			
	6101	24x24x5/8"	
	6101M	600x600x15mm	
	6102	24x48x5/8"	
	6102M	600x1200x15mm	
ELEGANT beveled tegular edge			
	6103	24x24x5/8"	
	6103M	600x600x15mm	
	6104	24x48x5/8"	
	6104M	600x1200x15mm	

GLACIER



FEATURES

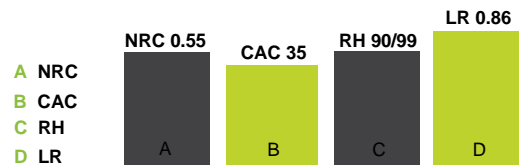
- ❑ Fine surface with effective sound absorption.
- ❑ Non-directional pattern makes it easy to install.
- ❑ Economical, easy to install and maintain.
- ❑ High light reflectance.
- ❑ Asbestos free.

Fire resistance*

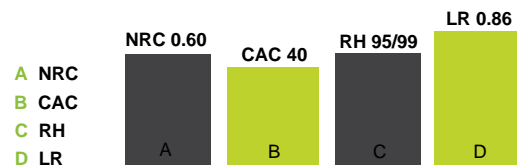
Class A: Flame spread 25 or under ASTM E84
 B grade: China standard
 Class 0: Britain standard BS476 part 6 & 7

Recycled Materials: **48%**

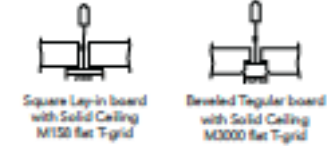
GLACIER performance standard (15mm)



GLACIER performance standard (18mm)



CEILING AND T-GRID



VISUAL STANDARD

Edge details	Item NO.	Dimension	
STRATUS square edge			
	1901	24x24x5/B"	
	1901M	600x600x15mm	
	1902	24x48x5/B"	
	1902M	600x1200x15mm	
STRATUS beveled tegular edge			
	1903	24x24x5/B"	
	1903M	600x600x15mm	
	1904	24x48x5/B"	
	1904M	600x1200x15mm	

FISSURED



FEATURES

- ❑ The most popular pattern with a fine surface.
- ❑ Effective sound absorption that reduces background noise between rooms.
- ❑ Non-directional pattern reduces installation time and scrap.
- ❑ Asbestos free.

Fire resistance*

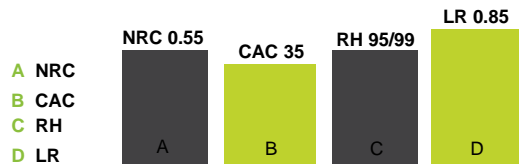
Class A: Flame spread 25 or under ASTM E84

B grade: China standard

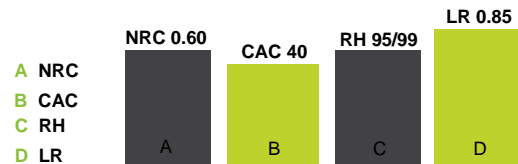
Class 0: Britain standard BS476 part 6 & 7

Recycled Materials: **48%**

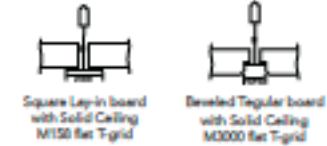
FISSURED performance standard (16mm)



FISSURED performance standard (18mm)



CEILING AND T-GRID



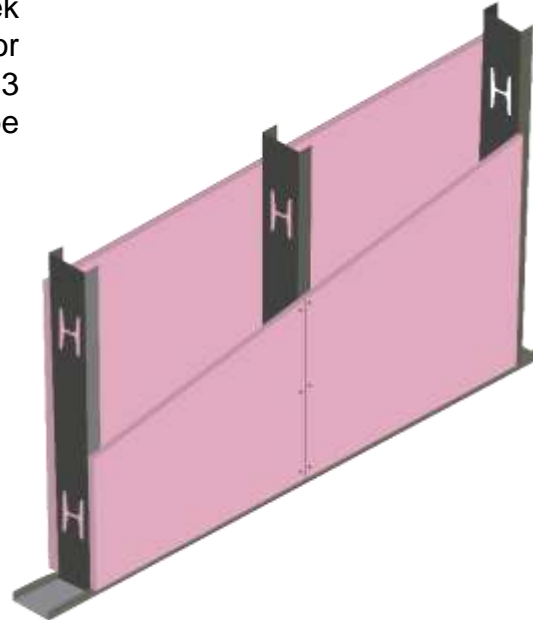
VISUAL STANDARD

Edge details	Item NO.	Dimension
FISSURED square edge		
	2306	24x24x7/11"
	2306M	600x600x16mm
	2307	24x48x7/11"
	2307M	600x1200x16mm
FISSURED beveled tegular edge		
	2308	24x24x7/11"
	2308M	600x600x16mm
	2309	24x48x7/11"
	2309M	600x1200x16mm

SOLID CEILINGS FIRE RATED SYSTEMS

Solid Ceilings 1 hour fire rated 63mm Dry walling system 52Db.

60 minutes fire rated Solid Ceilings dry walling system comprises of 2*12mm Solid fireproof boards securely fastened through both boards to each side of the framework by 6*40 drywall screws. 63mm Solid Ceilings stud, 0.45mm thickness fitted into the top and bottom of a Solid Ceilings 64mm track by 8*13 wafer head tek screws at 400 centers, track fastened by fisher plugs to the floor and ceiling. Install Solid 63mm thick insulation, density 6.1kg/m3 tightly butted into framework leaving no gaps. Solid Fibre tape should be applied to all joints. All joints to be correctly skimmed.



SANS 10177 – PART 2 TEST RESULTS FOR THE SOLID FIRE RATED DRYWALL SYSTEM

With reference to the SANS 10177 – Part 2 test as results:

1. The **Solid Fire Rated Drywall System** was tested using the SANS 10177 – 2 test protocol on the 30th of January 2019.
2. The panel exhibited minimal smoke and steam release for the first hour of the test, thereafter the panel quickly deteriorated. TC 8, a joint thermocouple, exceeded the maximum allowed temperature for a single thermocouple (205 °C) at 1 hour, 15 minutes and 5 seconds. This is considered a failure of the **Insulation** criterion.
3. At approximately 1 hour, 18 minutes and 45 seconds the right hand side joint split open. This caused the system to severely deflect outward, compromising both **Stability and Integrity** of the system.

The Test Report and results only relate to the product(s) and/or sample(s) submitted for testing as identified in Sections 1 and Annexures and do not apply to any similar product(s) or sample(s) that has not been tested.



Figure 1.1: The unexposed side of the system after the test conclusion

The **Solid Fire Rated Drywall System** achieved a 60 minute Fire Resistance Rating according to the SANS 10177 – 2 test protocol.

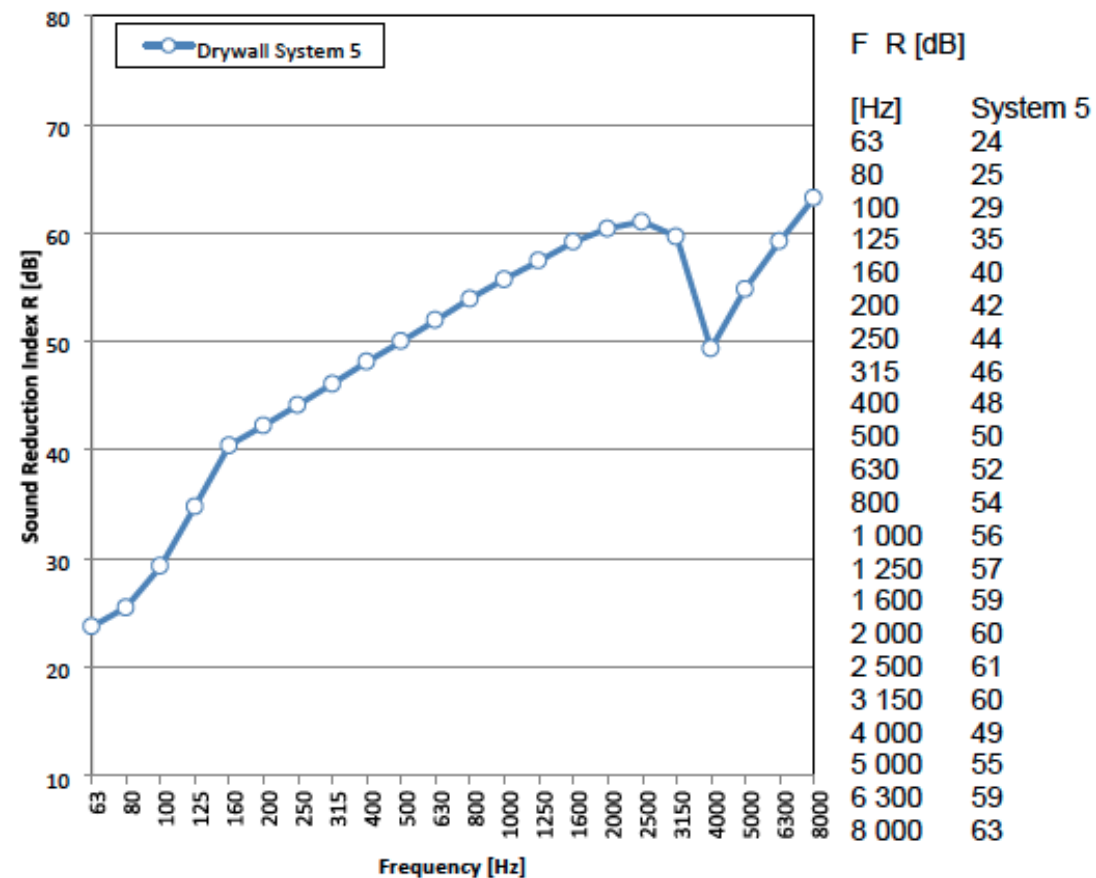
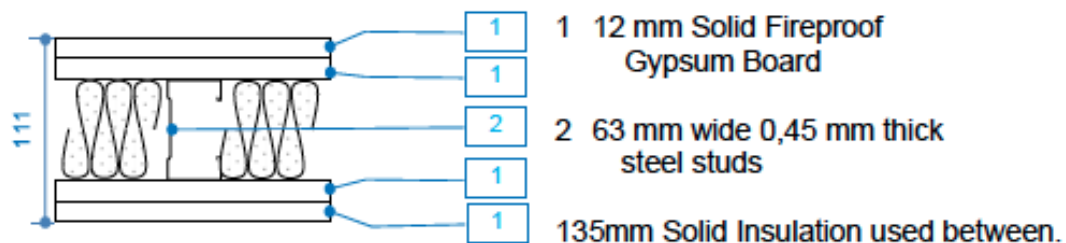
We trust the above information would assist you in the matter for improving the system to achieve the desired rating. Should there be any other uncertainties regarding the plaster, please do not hesitate to contact me immediately.

Yours faithfully


J. Vogel
B Tech (Mechanical Engineering) TUT
FIRELAB

FIREPROOF ACOUSTIC TESTING

12 Solid-Fireproof-Gyps [63W 0,45T Steel Stud_A=63T Cavitybatt {600 Line}] 12 Solid-Fireproof-Gyps_12 Solid-Fireproof-Gyps Drywall with overall thickness of 111 mm comprising of 2 x 12 mm 830 kg/m³ Solid Fireproof Gypsum Boards screw fixed to each side of 63 x 0,45 mm steel studs spaced 600 mm apart. Cavity contains 75mm thick Solid insulation 10.8kg/m³.



ISO 717 Weighted Airborne Sound Reduction Index [dB]	R_w	52
--	-------	----

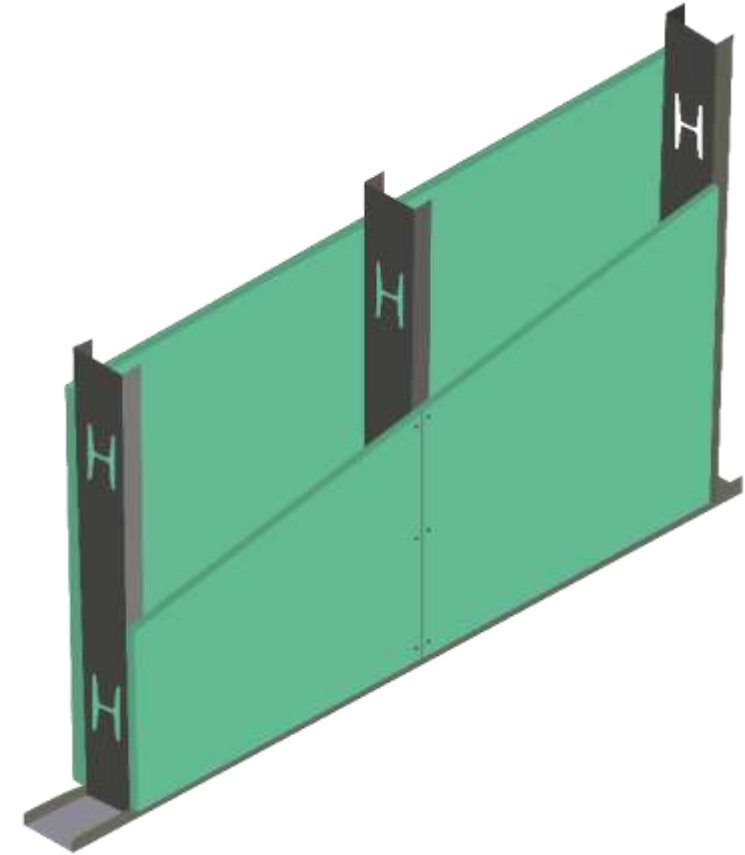
ISO 717 Spectrum 1 Adaptation Term [dB]	C	-1
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ISO 717 Spectrum 2 Adaptation Term [dB]	C_{tr}	-7
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SOLID CEILINGS MOISTURE RESISTANT DRYWALLING SYSTEMS

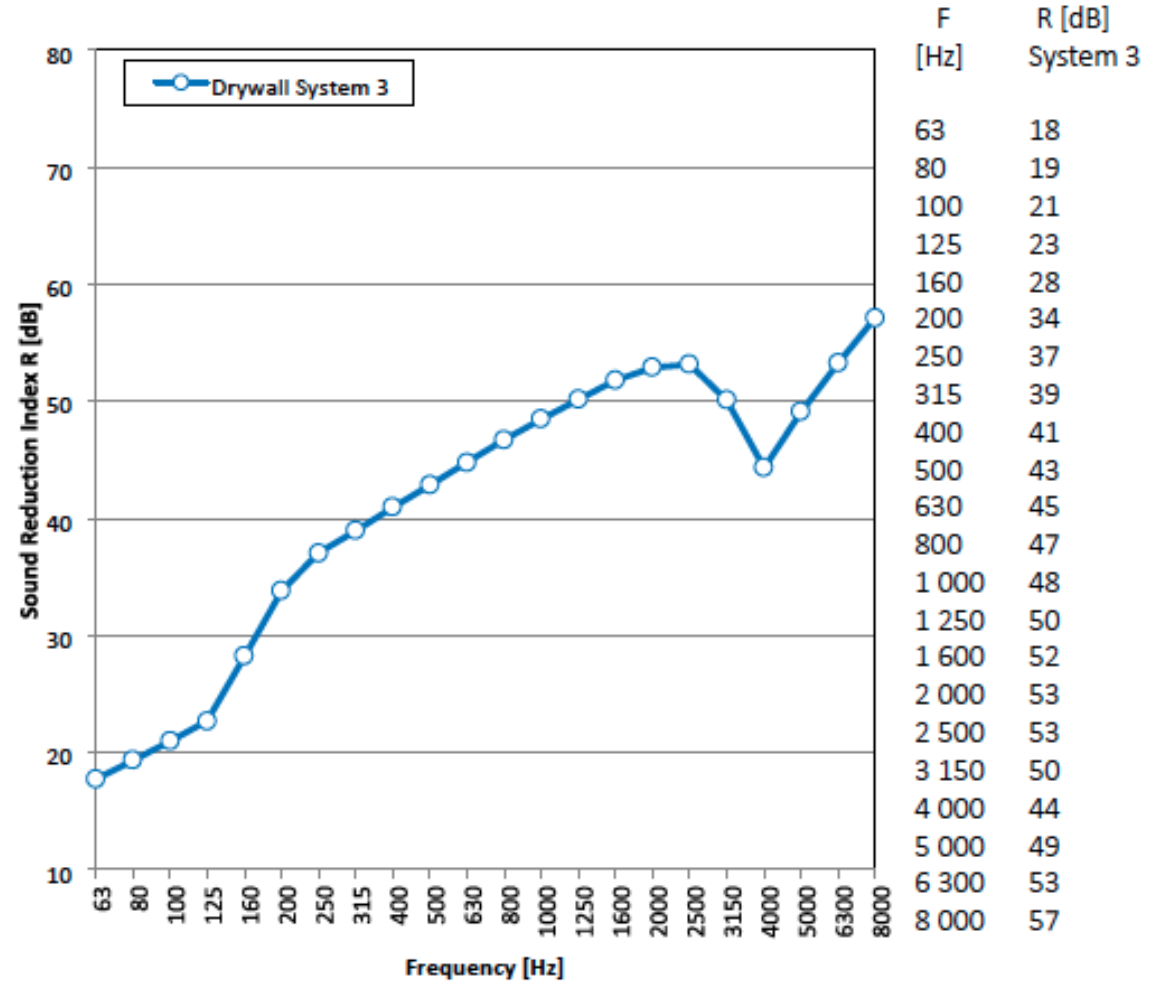
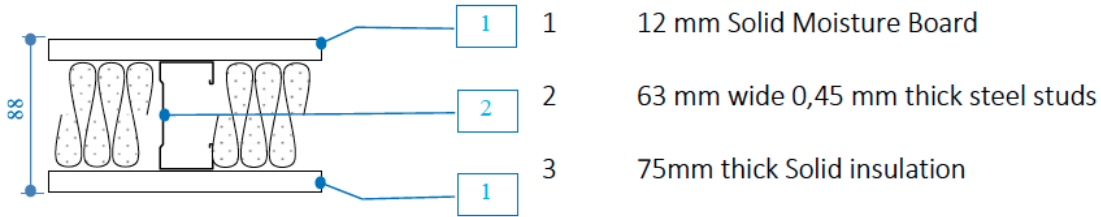
For high humidity areas 64mm Moisture resistant System with a 45 Db.

Solid ceilings moisture resistant dry walling system comprises of 1*12mm Solid Moisture boards fixed to both sides of the framework. Fastened using 6*25 drywall screws at 200mm centres. 64mm Solid Ceilings stud, 0.45mm thickness fitted into the top and bottom of a Solid Ceilings 65mm track using 8*13 wafer head tek screws at 400mm centers, track fastened by fisher plugs to the floor and ceiling. Install Solid 75mm thick insulation, density 10.1kg/m³ tightly butted into framework leaving no gaps. Solid Fibre tape should be applied to all joints. All joints to be correctly skimmed.



MOISTURE BOARD ACOUSTIC RATING

[63W 0,45T Steel Stud_A=63T Cavitybatt {600 Line}] 12 Solid-Moisture-Board Drywall with overall thickness of 88 mm comprising of a single 12 mm 747 kg/m³ Solid Moisture Board screw-fixed to each side of 63 x 0,45 mm steel studs spaced 600 mm apart. Cavity contains 75 mm thick Solid Insulation.



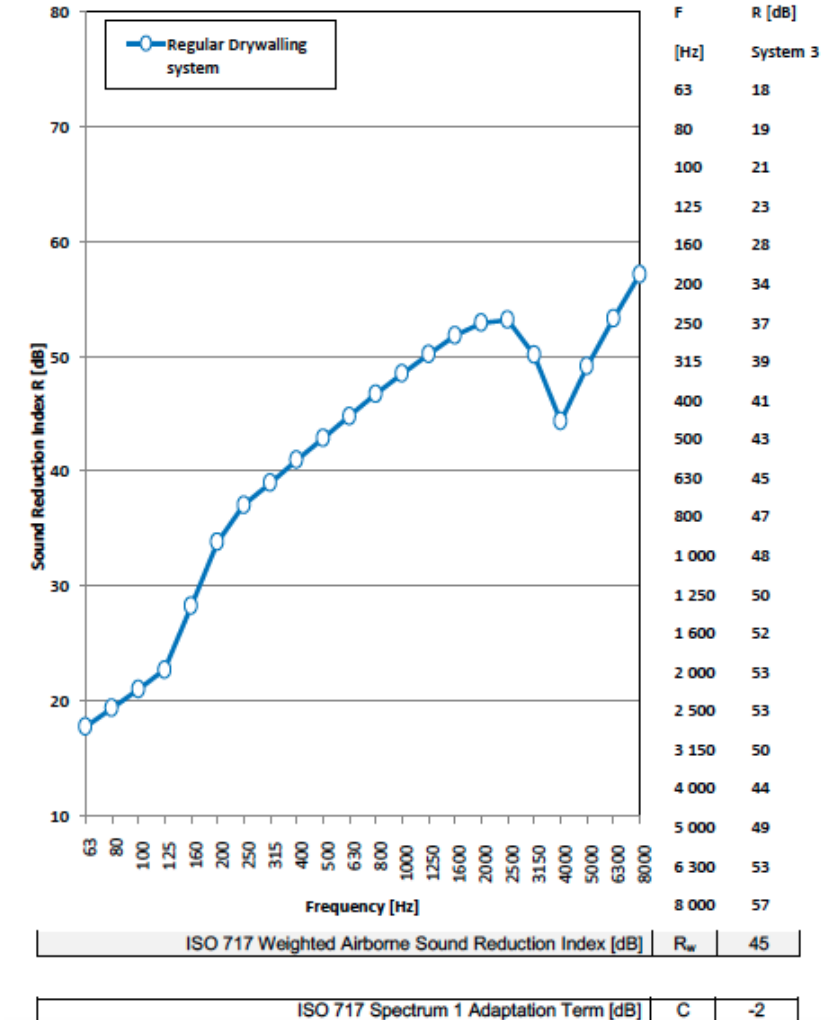
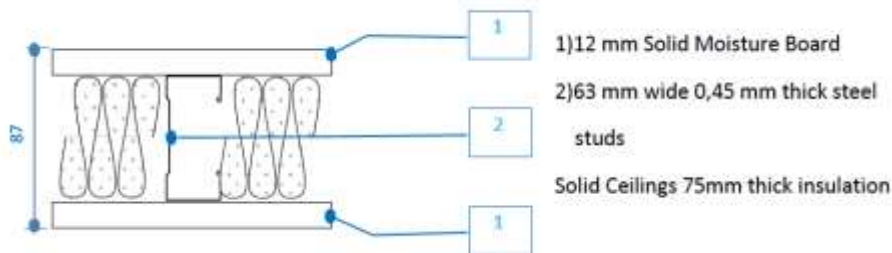
ISO 717 Weighted Airborne Sound Reduction Index [dB]	R _w	45
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ISO 717 Spectrum 1 Adaptation Term [dB]	C	-2
ISO 717 Spectrum 2 Adaptation Term [dB]	C _r	-8

SOLID CEILINGS REGULAR DRYWALL

Solid Ceilings regular 64mm Drywall system 45Db.

Solid Ceilings 12.5mm gypsum board fixed to both sides of the framework using Solid 6*25mm drywall screws at maximum 220mm centres. All joints shall be staggered. Framework consisting of Solid 63mm x 35mm * 0.45mm studs fitted into top and bottom of Solid Ceilings 64mm *25* 04 mm track securely fastened at 600 centres. Apply Solid fibre tape to all joints and Solid corner bead to all corners. Skim accordingly.



OUR PROJECTS

PROJECTS



MALL OF THE NORTH



ROSEBANK TOWERS



PWC



SHELL HOUSE



PLAYBETS



FNB



144 OXFORD



BMW SOUTH AFRICA'S HEAD OFFICE



SA AIRLINK



ELIM MALL



FNB



PLATINUM SQUARE



GROUP FIVE



FNB

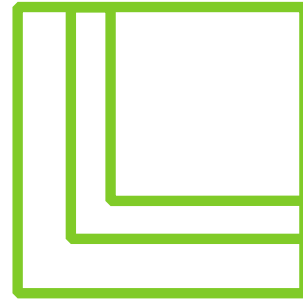


STEYN CITY SCHOOL



STEYN CITY'S CITY CENTRE –
CURRENT PROJECT

THANK-YOU



SOLID PRODUCTS
SOLID SERVICE
SOLID PEOPLE



tyrel@solidceilings.co.za



dale@solidceilings.co.za



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