

# STEEL SANDWICH PANEL

## Rock Mineral Wool Core

Blue Metal™

### INTRODUCTION

Rock Mineral Wool Steel Sandwich Panel is applicable to projects which require high standard of fire protection and sound insulation. Manufactured from high quality steel and groove design of the panel, Blue Metal Steel Sandwich Panel provides strong impact resistance and good stability with easy and smooth installation, making it ideal choice for projects with budget and construction time constraints.

### CHARACTERISTICS

- Applicable to indoor and outdoor
- Simple and easy installation
- Wide range of applications
- High impact strength and durable
- Corrosion resistance
- Non-combustible (BS 476-4)
- Meets high standard of sound insulation up to STC 58 (ASTM E90)

### APPLICATIONS

- Agricultural constructions
- Commercial buildings and offices
- Food industry facilities
- Factories
- Logistic centers and warehouses
- Sport halls



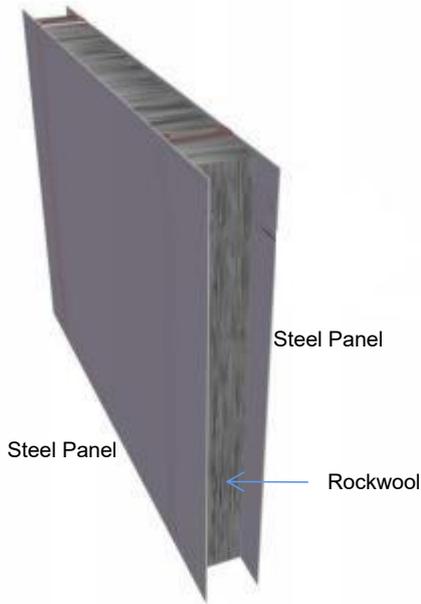
### SPECIFICATIONS

Parameter	Value						
modular thickness [mm]	40	60	80	100	120	150	
width [mm]	1150/950						
length [mm]	< 5000						
color	ral 9002						
reaction to fire	non combustible (BS 476-4)						
acoustic insulation Rw [dB]	≤58						
anti-corrosive protection	yes						
finishings	polyurethane (PE)						
face steel thickness (mm)	0.5-0.8						
insulating core	rockwool 50-160kg/m <sup>3</sup>						
applications	internal & external walls and ceilings						
wall application layout	vertical						

\*Other dimensions and colors are available upon request.

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## Sound Insulation Performance



### STC 54

#### System Description

Face Panel: 0.8 mm steel  
 Cavity : 150 mm/(140 kg/m<sup>3</sup>) rock mineral wool  
 Base Panel: 0.8 mm steel

freq.(Hz)	TL(dB)	TL(dB)
50	13	
63	12	13
80	14	
100	22	
125	30	26
160	38	
200	45	
250	51	49
315	56	
400	60	
500	62	62
630	64	
800	66	
1000	68	68
1250	70	
1600	72	
2000	74	74
2500	76	
3150	78	
4000	80	80
5000	82	



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