



FITECHNIC INTERNATIONAL  
UK, ITALY, UAE, QATAR, INDIA,

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# Why Sound Proofing?

- Increasing unwanted external noise.
- To ensure the comfortable living inside the building
- To ensure maximum vision without compromising on Noise Cancellation.

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*Echo Shield Ensures The Maximum Vision & Less Sound Penetration.*

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## Sounds Familiar?

Permanent Exposure To Noise Like These Can Damage Your Hearing Permanently. Acknowledge These Noises Issues And **Get It Fixed** or **Echo Shield** it.



Construction Work



Roads & Expressway



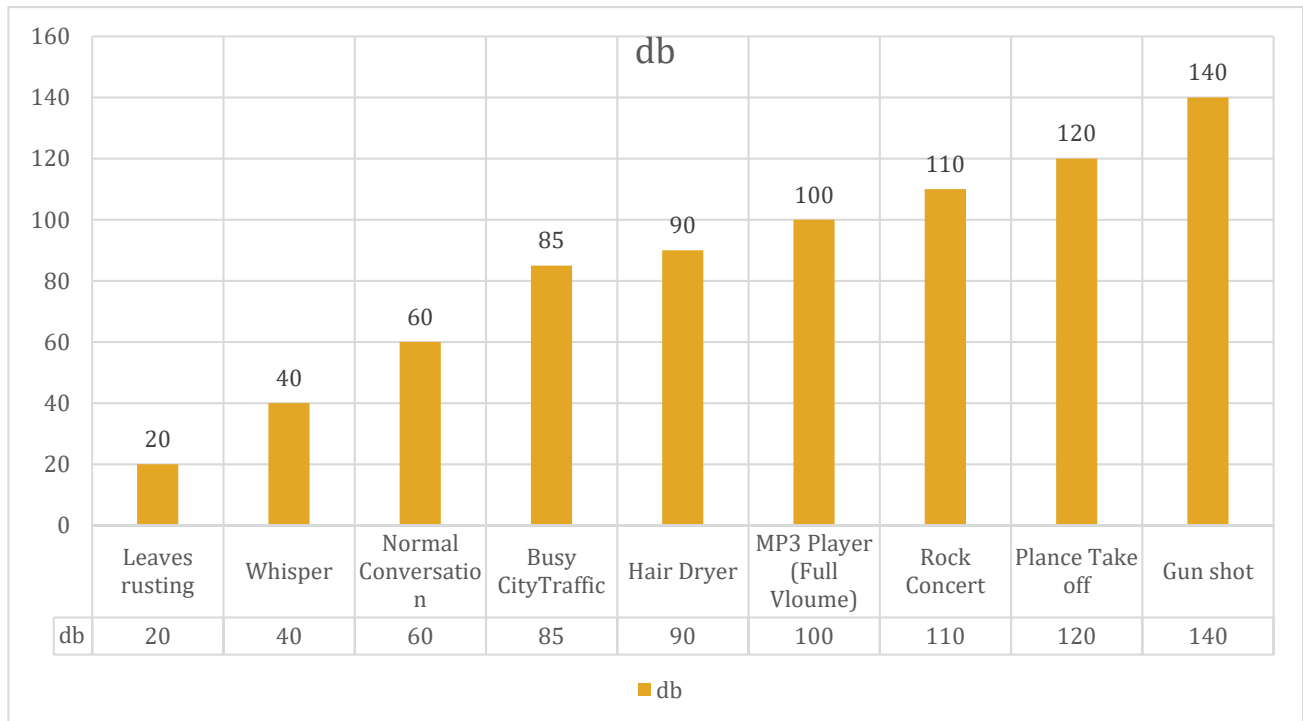
Neighbourhood Noise



MRT Noise

# How loud is too loud?

Research suggest the safe exposure limit is 85 db for 8 hours a day. Your hearing could be at risk of damage if you are continuously exposed to high volume of sound.



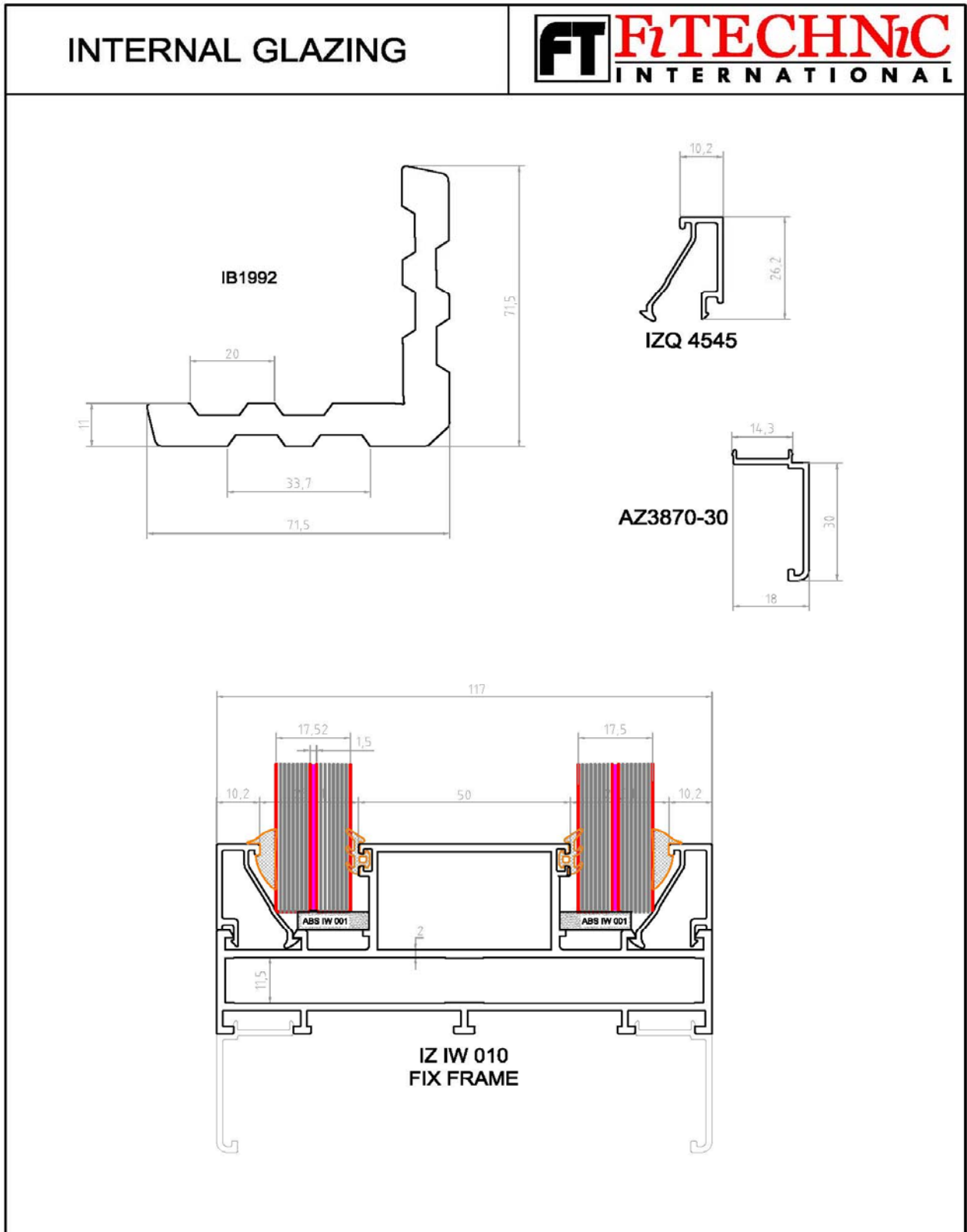
## Why Fitechnic?

Premium class of products made from quality frame material and unique design to soundproofing efficiency.

- Unique design
- Able to attain STC value of STC -55 & OITC -43.
- Cost effective solution
- Easy for the fabrication and installation.
- System Warrantied.

# Product Data

## Profile Design





# Glass Technical Data

## Sound Insulation Prediction (v8.0.9)

Program copyright Marshall Day Acoustics 2015

- Key No. 3514

Margin of error is generally within STC +/- 3 dB

Job Name:

Job No.:

Date: 17 Sep 17

File Name: insul

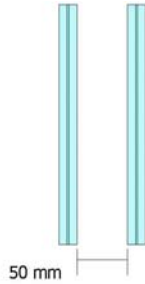
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See what's possible™

Notes:



STC 55

OITC 43

### System description

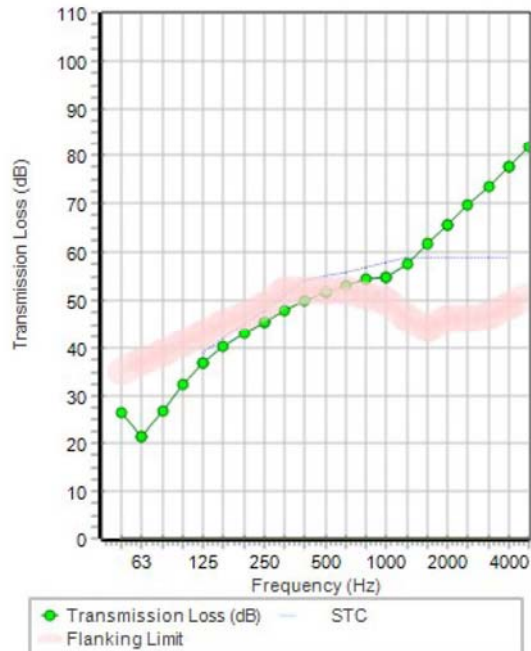
+ 1 x 17.5 mm Laminated Glass (Dupont Butacite-1.5 mm ) (p.2430 kg/m<sup>3</sup>,E:46GPa,η:0.11)

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Mass-air-mass resonant frequency = 58 Hz

frequency (Hz)	TL(dB)	TL(dB)
50	26	
63	22	24
80	27	
100	32	
125	37	35
160	40	
200	43	
250	45	45
315	48	
400	50	
500	52	51
630	53	
800	54	
1000	55	55
1250	58	
1600	62	
2000	66	65
2500	70	
3150	74	
4000	78	77
5000	82	

Panel Size 2x1.5 m; Mass 81.2 kg/m<sup>2</sup>





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