Drywalls Systems

Gypsum Ceilings & Walls Systems



SPECIAL APPLICATIONS

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Acoustic isolators

IS100 isolator clips

ISOLATORS CLIP (IS 100)

Introduction;

IS100 Resilient Sound Isolation Clips with Channel provide a maximum potential performance approach to sound privacy that will prevent the sound of noisy neighbors from transmitting through your walls or floor/ceiling assemblies. Customers using IS100 have recorded remarkable improvements of up to an additional 20 STC points on walls.

The (IS100) is designed to retrofit and improve existing walls and ceilings, and has been shown by actual field tests to improve existing walls by as much a-s 8-10dB.



Isolator CLIP IS100

Features and Benefits

- Contains noise
- Reduces noise transmission through ceilings, walls, and floors
- Many models available to solve a range of difficult noise issues

Applications

restaurants, conference and board rooms, hotels, theaters, schools, audiophile rooms, recording studios, houses of worship, music practice and band rooms, apartments, condos, and more.

Technical specification

Dead Load : Maximum design load of 16.3kg per each resilient sound isolation clip

Total Deflection : 3 mm
Recycled content: Yes
Low VOC treated: Yes
Manufactured to ASTM D 2000, M2 AA 510 A13, which includes:

- o Hardness ASTM D 2240, Shore A: 47
- o Modulus 3000 Percent, ASTM D 412, Die C: 5.3 MPA
- o Tensile Strength, ASTM D 412, Die C: 11.2 MPa.
- o Elongation at Break, ASTM D573: 454 percent



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ACOUSTIC ISOLATOR (IS 100)

Acoustic isolators
iS 100 isolator clips



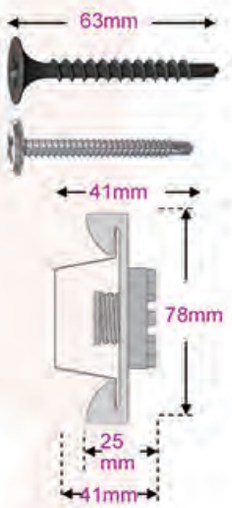
Drywall Furring Channel:
- Recomended: galvanized steel furring channel model (O20) with 0.6mm thickness
- Depth: 20mm
- Width Bottom: 65mm
- Width Top: 35mm

Splice drywall furring channel (hat track) with 150mm overlap
in mid span (between two clips) secure with two framing screws.



Resilient Sound Isolation Clip IS100
Maximum Spacing: 1200mm on center
Maximum Acoustical Design Load: 15KG





Fasteners:
IS 100 to Wood: 63 MM minimum size coarse thread screw.
(Recommended : 63MM hex head)
IS 100 to Steel: 41 MM minimum size fine thread screw.
(Recommended : 41 MM hex head)
DO NOT fasten Resilient Sound Isolation Clips (IS 100) to framing members with nails. Use only approved screws.

Installation :
1-Resilient Sound Isolation Clips IS100 shall be 120cm maximum on center(horizontal).
2-Fasten the Resilient Sound Isolation Clip IS100 to the substrate (studs or wood) with a fastener approved
3-Ensure the internal metal ferrule is tight to the substrate. • Locate the first row of IS100 clips within 75mm from the floor and within 150mm from the ceiling.
4-Snap in the drywall furring channel (hat track) into the IS100 clips (horizontal for walls).
5-Install the gypsum board from the bottom up leaving a 6mm min. gap around the perimeter of the wall.
6-Caulk around the entire perimeter of the gypsum board. Use fire and smoke rated acoustical sealant where required.



General Information:
Resilient Sound Isolation Clip IS100, furring channel (O20) and gypsum board shall not carry heavy loads such as cabinets or bookshelves

Seal all potential air leaks with non-hardening acoustical caulking to achieve best noise control results. Use fire rated sealant where required.



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