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Specification – Credence Wooden Grooved Acoustical Diffuser Wall Panel

For Wall Cladding/Panelling

Providing and fixing Channelled Round/Triangle/Waved grooved diffuser acoustic panel , of width 128 mm, thickness of 15 mm & length of 2440 mm made of high density MDF board having density min of 800 kg/m3 & PVC shrink and PU paint front finish. The panels have 4mm groove at 28mm pitch, with linear perforations & Tongue and Groove edges for seamless mounting. The panel shall be fire retardant (FR) BS476 Part 7. The Round/Triangle/Waved design scatters or disperse sound waves thereby, reducing standing waves and slap echo. The back of panel shall have nonwoven acoustical fleece for providing Sound absorption via the acoustic impedance method. Installed panel shall have NRC of 0.9 and backed with 50mm thick glass wool layer as directed by the Engineer-in-Charge. The panel shall be mounted on special channels using clips as approved by the Engineer -in-charge. Install G.I stud of section 48X34X36 mm or as approved by the Engineer -in- Charge on the solid wall horizontally using screws and plugs at spacing of 600mm centre-to-centre. Screw the aluminium channel (keel) vertically on channelled G.I stud 600mm centre to centre. Install the first set of wooden panels by inserting the clips. For border channel insert the groove of the panel in to the projecting flange of the aluminium clip. Continue installing rows of panels by inserting the tongue into the groove of the earlier inserted panel and progressively installing clips for inside channel into the next aluminium channel (keel) and simultaneously fill the gap between wall & panel by 50 mm thick glass wool having density of 48 kg/m3. Continue the process till the actual height is achieved. Use clips for border channel to finish off the installation, finish the edges using wood moulding of matching colour as approved by Engineer-in- Charge. The installed panels should give an NRC minimum of 0.9.