



**CREDESCENCE**  
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**Specification – Credence Wooden Grooved Acoustic Panel**  
***For Ceiling***

Providing and fixing in position wall panelling of Credence Esto channelled Wood panels of width 128mm, thickness of 16mm and length 2440 mm made up of high density fiber board with minimum density of 800 Kg/m<sup>3</sup> substrate with a laminated facing / wood veneer as per the approved shade/ species & finish with melamine balancing layer on the reverse side. The boards shall have a special perforation pattern of 2mm groove & 14mm pitch. The panels shall have fire resistance of Class I,BS 476 part 7.The edges of the panels shall be “tongued-and-grooved” to receive special clips for installation. The back of the perforated panel shall have sound absorbing non-woven acoustical fleece 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. Suspend the main C-carrier of size 10X38X10 mm made of GI steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 600 mm c/c.Screw the aluminium channel (keel) cross on the C-carrier 600mm c/c. 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 lay 50mm thick glass wool having density of 48 kg/m<sup>3</sup> on top of the panels to be covered with chicken wire mesh. Continue the process till the ceiling is entirely covered or use gypsum board border. 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.