



CREDESCENCE
We The Trust

Specification – Credence fabric acoustical wall panel

Installation with impalers

For wall cladding/panelling

Providing & fixing in position wall panelling at all heights of thickness 25 mm with Credence Creda Fiber Glass Acoustical Wall Panels of size 600 x 1200 mm, resin bonded square edges having NRC of 0.9 minimum. The panels should be manufactured from high density bio-soluble resin bonded glass wool absorber having density of 96 Kgs/m³ and wrapped on the front side with an acoustically transparent fabric having option of colours and fabric options like jute, mars, etc. as per approved by architect/engineer-in-charge, plain tissue backer and fabric wrapped hardened edges. Panels should have humidity resistance up to 90 %, thermal conductivity ≤ 0.03 (m² k / w) thermal resistance ≥ 0.9 (m² k / w) & moisture rate $\leq 1\%$ (JC/T670 – 2005). The panel should be fully recycled and fire retardant as per Class A. The installation comprises a GI framework for acoustic wall panelling as per design drawing (made from especially fabricated galvanized iron sheets 0.55 mm thick pressed section galvanizing @ 120 grams per sqm including both sides) consisting of floor channel of size 50X32X32X0.55 mm thick bottom and top fixed with nylon sleeves and screw. Further vertical GI studs of size 48X34X36X0.55 mm thick are placed at 600 mm center to center vertically on the wall using 12 mm dia 50 mm long wedged type expanded zinc alloy dash fastener with 10 mm bolt, to avoid any undulations on the wall. The extra channel must be used at openings and junctions as required. Further, wooden batten of 6mm thickness and a width of 5” to be placed at 600 mm center to center horizontally on the vertical GI Studs. Surface impalers of size 3”X4” having projecting element called spikes shall be fixed on the wooden batten surface at 1200 mm center to center horizontally and 600 mm center to center vertically, using self tapping screws. Silica based construction adhesive to be dabbed on to the projecting elements (spikes) of the impalers. Wall Panels shall be pierced through the spikes of the impalers ensuring line & level of panel are maintained. The panels should be mounted on the impalers horizontally or vertically as per the approved design or as per the directions of the engineer-in-charge.