

Acous Ceiling

Acoustica Ceiling panelling with ECHOBAR Polyester fibre acoustic mat finish panel 10mm thick @ 180kg/m³ density with Class A fire rating as per ASTM E 84 & thermal conductivity 0.034w/mk with desired acoustic management polyester wadding giving 0.85-0.90 NRC ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long drywall screws @ 230 mm interval and perimeter channel with the help of drywall screws of size 3.5 x 25 mm at 230 mm c/c, on outer side one layer of 9mm perforated water proof composite flour board is screwed .These boards are joined using "type S" Self tapping SS W 25 / 3.5 x 25mm corrosion resistant drywall steel screws spaced at 200mm centres on all joints and 300mm centres in the field of boards. Screw fixing is done mechanically. These boards are perforated ensuring min. 50% area is perforated. Finally 10mm thick ECHOBAR Polyester fibre acoustic panels are pasted on top of board (using any acrylic adhesive such as fevicol SR998 or hot melt adhesive) of the board as per design of the architect. The entire system should eco-friendly, 100% recyclable & toxic free.

