



Tender Specification

2 hour Fire Rated Partitions

2hrs, Integrity & Insulated fire rated partitions using 2nos, 9mm Promatect-H, non-combustible Boards, and Promatect-H strips, 100mm wide 9mm thick, with Steel Studs 50mm deep x 0.5mm thick at 610 mm spacing, using Ceiling and Floor perimeter steel channel 50mm deep x 0.5mm deep, with M4 self tapping screws at 200mm centers and M6 steel anchor bolt at 600mm centers. The quantities per Sq M basis shall involve boards 2440 x 1220mm, M4 screws at every 200mm centers, and min 50mm from the edge of the board. The butt joints of the boards shall have screws in alternate positions every 200mm. considering the board width the spacing shall be done at 610mm. To achieve the Insulation as per BS:476 Part 22, Mineral wool of raw density 70 kg/m³ by 50mm thick or 50 kg/m³ by 70mm thick shall be applied with all joints staggered between layers and all complete to the entire specification with the certified copy of the valid Test Certificates to be issued by M/s.Promat International Asia Pacific Ltd.

All to be installed as per drawings provided by Promat Technical Department.

Calcium Silicate Board. : Density 900 kg/m³

Resistant to vermin, mould growth, minor impact, abrasion and short term water attack.

Off-white smooth surface suitable to receive most forms of decoration.

Material class: Non-combustible, according to DIN 4102: Part 1, BS 476: Part 4 and AS 1530: Part 1

Surface spread of flame: Class 1 to BS 476: Part 7 and AS 1530: Part 3

Building regulations classification: Class 0

Alkalinity (approx.): pH 12

Thermal conductivity (approx.) at 20°C: 0.175 W/m⁰k

Nominal Moisture content (air-dried): 5-10%

Water absorption capacity (average): 0.5 g/cm³

Expansion under water, 100% saturation (maximum): 0.5 mm/m