



FIBROUS PLASTER TECHNICAL SPECIFICATION - SUSPENDED CEILING SYSTEM



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FIBROUS PLASTER BOARD

PART 1 INTRODUCTION

1.1 GENERAL COMPOSITION

The Fibrous Plasterboard material shall be manufacture using gypsum casting compound to thickness 9 or 12mm. It shall be reinforced with strands of fibreglass evenly distributed at the ratio of 365 grams per m² and the density of board shall be between 900 – 1000kg/m³.

1.2 MANUFACTURE

Suppliers of fibrous plaster (Plasterceil Industries Pte Ltd) shall be required to produce confirmation that materials supplied to projects are supplied to projects are fabricated by a recognised manufacturer to the compliance with the relevant B.S or S.S codes.

1.3 MOISTURE RESISTANCE

Moisture Resistance Fibrous Plasterboard shall incorporate with approved silicone based additive, which when added, forges a close knit crystalline gypsum particle, reducing porosity that has a water moisture repellant surface. It shall be classified in accordance with BS 1230: Part1: 1985 – clause 5.1.4 water absorption (type 3 only).

1.4 NON-COMBUSTIBILITY

The material shall be tested in accordance with BS 476 Part 4: 1970, and shall be classified as non-combustible.

1.5 ANTI-STATIC AND FUNGOID ATTACK

The material shall hold negligible static charges in order to minimise dust attraction and shall not substain fungoid growth under normal conditions.

1.6 GYP SUM PLASTER

High quality casting compound with expansion coefficient. It shall not contain Abesto or harmful substance to body. Gypsum shall be correctly stored and kept by dry to avoid deterioration



PART 2 WORKMANSHIP

1.1 INSTALLATION

Ensure that everything to be concealed by the fibrous plaster board has been accomplished, and that access panels, openings, supplementary framing and blocking and similar provision have been completed. Installation of fibrous plaster board ceiling is to be carried out by experienced and competent tradesmen.

Locate exposed end-butt joints as far from center of ceilings as possible, and stagger not less than 300mm alternate courses of board, back all joints with a framing member.

Do not install imperfect or damaged boards. Butt board together for a light contact at edges and ends with not more than 1.5m open 10mm to facilitate caulking with bonding compound from the face side, the joint is to be trowelled flush.

Attach fibrous plaster boards to framing and blocking as required for additional supports at openings and cutouts.

Form control joints and expansion joints with space between edges of boards, prepared to receive trim accessories.

Space fasteners in fibrous plaster boards in accordance with referenced standard and manufacturer's recommendations.

To produce flush joints in the ceiling boards to obtain a seamless surface, apply a bonding compound recommended by the manufacturer in the joints from the face side. The joint is then trowelled with stopping compound to leave a flush surface in true relationship to the adjacent surface.

2.2 PROTECTION

Protect gypsum board and fibrous plaster work from damage and deterioration during remainder of construction period.

