

This Phenolic Resin based board, a Fibre Reinforced Plastic, (FRP) board has a nonconductive modified surface film integrally bonded to the Phenolic core. The core material being a fully cured phenolic resin provides a durable panel base with long term structural stability and excellent chemical and moisture resistant properties.

Type X Switch panels are generally in Matt black and is available thicknesses that range 3mm to 25mm with a standard panel size of 2440 x 1220

Panels can be supplied in thickness of 3.0mm to 25.0 mm in Black colour with Matt finish or any other special finish and have an excellent wearing properties regardless of the finish specified. The Sheets can be supplied in the sizes of 1220mm x 2440mm or any required cut sizes.

These Type X meter panels are good for machining, drilling, cutting without any chipping, cracking, splitting or delamination. This is an asbestos free material having very low water absorption

Features & Benefits	Applications
<ul style="list-style-type: none"><li>• Non-Conductive, non-sparking and non-corrosive</li><li>• Resistant to chemical, microbial attacks and to steam</li><li>• High mechanical and impact strength</li></ul>	<ul style="list-style-type: none"><li>• Switchboards</li><li>• Bus bar supports</li><li>• Meter boards</li></ul>

## Technical Data

CHARACTERISTIC	TEST METHOD	VALUE/RESULT
<b>Stiffness</b>	Three point bend test	Typical Plate Stiffness "D" characteristic: - 3mm thick = 23.7 x 103 Nmm <sup>2</sup> /mm width. 5mm thick = 130.3 x 103Nmm <sup>2</sup> /mm width. 10mm thick = 865.2 x 103Nmm <sup>2</sup> /mm width.
<b>Electrical Insulation Resistance</b>	AS 1795.1 - 1983	Greater than 10 Megohms.
<b>Wear resistance</b>	Taber H 174, 1 H18 calibrate.	50% Surface pattern removed = 50 cycles. Pattern and colour removed = 375 cycles.
<b>Impact Resistance</b>	CSIRO Ice Canon Test	38mm Dia ice ball @ 47m/sec Generally indents less than 1mm
<b>Moisture Resistance</b>	AS 1795.1 - 1983	< 1%
<b>Steam Resistance</b>	AS 2098.2 - 1977	10 hours Steam @ 200kPa No Delamination