

**GENERAL DESCRIPTION**

Type X Switchpanel is a fibre reinforced plastic which is impregnated with thermosetting phenolic resin manufactured for electrical insulation purposes. With good electrical properties, it has excellent workability with normal fabrication techniques. Type X Switchpanel is available in a thickness range of 3.0mm to 25mm.

**FEATURES & BENEFITS**

- Anti tracking coating
- High resistance to moisture and chemicals
- High mechanical and impact strength

**APPLICATIONS**

- Switchboard panels
- Bus bar supports
- Meter boards



**GENERAL INFORMATION**

Material	Fibre Reinforced Plastic with Thermosetting Phenolic Resin
Colour	Black
Specification	AS 1795.1

TECHNICAL DATA	PROCEDURE	UNITS	VALUE
Stiffness	Three Point Bend Test	Nmm <sup>2</sup> /mm width	3mm thick = 23.7 x 10 <sup>3</sup>
			5mm thick = 130.3 x 10 <sup>3</sup>
			10mm thick = 865.2 x 10 <sup>3</sup>
Electrical Insulation Resistance	AS 1795.1 - 1983	MΩ	>10
Wear Resistance	Taber H 174, 1 H18 Calibrade	Cycles	50% surface pattern removed = 50 Pattern and colour removed = 375
Impact Resistance	CSIRO Ice Canon Test		38mm Dia ice ball @ 47m/sec
Moisture Resistance	AS 1795.1 - 1983	%	<1
Steam Resistance	AS 2098.2 - 1977		10hrs steam @ 200kPa No delamination

**MATERIAL SPECIFICATIONS**

<b>Standard Width x Length (mm)</b>
1220 x 2440
<b>Standard Nominal Thickness (mm)</b>
3.0 to 25.0

**SIZING & AVAILABILITY**

The above table shows the most commonly requested products in this range. Should you require something outside of these parameters, please contact your local sales representative or our customer service team.

**MACHINING & FABRICATION**

Insulect’s manufacturing capabilities form a key part of the trusted service we offer our customers. Our two modern, well equipped facilities – in Brisbane and Melbourne – work with a wide range of electrical, thermal and mechanical materials – including plastics, composites and cellulose-based products.

We offer short run, specialty or volume based machining and fabrication for almost any application and can produce cut-to-order sheets or finished components. Coupled with our highly-trained and experienced team, we are able to deliver on the most complex of customer requirements.