

Rigid Insulation

Quantum Switchpanel

GENERAL

Quantum Switchpanel is a paper based phenolic laminate. It is designed to comply with IEC 60893 as well as meeting the requirements of the now superseded AS1795-1983 (Type X).

APPLICATIONS

Domestic and Industrial metering panels, Switchboard Insulating Panels and Supports.

FEATURES

- Good electrical properties under humid conditions
- Fire resistant properties
- Easy to clean surface
- Surface is resistant to mild acid & alkali
- Resistant to bacteria & fungi
- Water resistant
- Excellent abrasive resistance
- Good machining properties
- Good punch ability

PROPERTIES

Physical			
Colour	Black - Satin finish		
Standard thicknesses	mm	3.2 to 25	
Sheet size	mm	2440 x 1220	
Mechanical & Electrical		Unit	Typical Values
Design Specification	IEC 60893 (PF CP 207)		
Test method	IEC 60893 (PF CP 207)		
Cross Breaking Strength	MPa	115	
Thickness Tolerance	Mg	5.9	
Flatness	Mm	Complies	
Water absorption (max)	mg	106	
Insulation resistance (after water immersion)	MΩ	500	
Dielectric strength (edge to edge)	kV	15	
Temperature Index	°C	110	