

# 830 Switchboard Matting™ Class 2



- Insulating matting prevents workers from being 'grounded', provides safety in case of electrical shock (not ESD).
- Ozone, flame and oil resistant.
- Can be cut down and will not lose its properties.
- Has to be replaced every 12 months for optimum safety and directly after damaging
- Conforms to ANSI/ASTM D-178
- Free of toxic DOP and DMF.
- Class 2; recommended maximum usage voltage 17,000.
- Recommended for distribution boards, switchgear, sub-stations, transformers, generators, electrical workbenches.



# 830 Switchboard Matting™ Class 2

PRODUCT SPECIFICATIONS		
Designation	Specialty Matting	
Type	Electrical protective matting	
Description	Corrugated rib pattern surface Underside has fabric impression	
Material	PVC	
Process	Calendering	
Category	Better	
Recommended use	Near high voltage equipment Maximum usage : 17,000 volts	
Colours	Black	
Weight	8.4 kg/m <sup>2</sup>	
Thickness	6.4 mm	
Standard sizes	91 cm x 150 cm 91 cm x 22.8 m	
Custom sizes	N/A	
Special remarks	Has to be replaced every 12 months for optimum safety and directly after damaging	
PRODUCT TESTING		
Tests	Norms	Results
Compression deflection	U.S.	
	1.4 kg/cm <sup>2</sup> 2.8 kg/cm <sup>2</sup>	
Foam battery	ASTM D3574	
Abrasion resistance	ASTM D3884-01	
	500 Cycles 1000 Cycles	
Static coefficient of friction	ASTM C1028-96	
Breaking load	ASTM D412	
Elongation	ASTM D412	317%
Electrical proof	ASTM D178-01 Min 20.000 V for 1 min	Pass
Dielectric strenght	ASTM D149 Min 30.000 V	Pass
Oil resistance	ASTM D471	Pass
Graves tear strength	ASTM D 1004	2505 PI
Hardness	ASTM D2240-02	91 Shore A
Anti-slip	DIN 51130 and BG-RULE BGR181	
Electrical Resistance - IBM	ASTM F-150	
	50% Humidity 100 volt	RG 6.6 X 10 <sup>9</sup> Ω
Static decay	101B/NFPA 99	Pass
Flexibility test	FED-STD-501	Pass
Dimensional stability test	ASTM D1204	0.04 in/ft
FIRE TESTING		
Critical radiant flux	ASTM E-648	
	DIN4102	
Fire retardancy	EN 13501-1	
Flammability test	ASTM D2859	Pass
Flame resistance	ASTM D178	Combustion time 4 min (1.9 in)
Sustainability	<ul style="list-style-type: none"> <li>• Recyclable material</li> <li>• Reach Compliant (Registration, Evaluation, Authorization and Restriction of Chemicals)</li> </ul>	

