

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.



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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/m²		
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/cm²		
	2.8 kg/cm²		
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 10º 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	
	Fire retardancy	DIN4102	
		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">• Recyclable material• Reach Compliant (Registration, Evaluation, Authorization and Restriction of Chemicals)	