

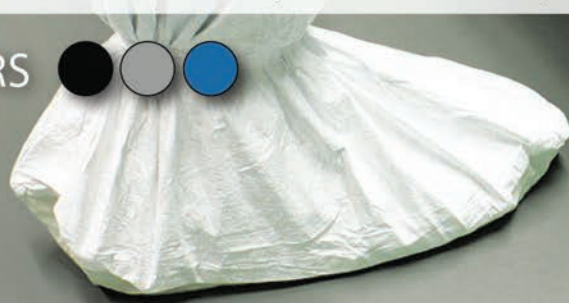


AES - OPTIMAL SMOOTH ESD

The AES Optimal Smooth ESD mat is an exceptional anti-fatigue mat with electrical resistance of $5 \times 10^6 \Omega$ and an ISO Class 3 cleanroom rating. This durable triple layer mat consists of a smooth, chemical resistant, easy to clean top and bottom layer with a layer of foamed EPDM rubber in between. The foam layer is recessed from all sides of the mat, creating a natural bevel around the perimeter for safety.



AVAILABLE COLORS

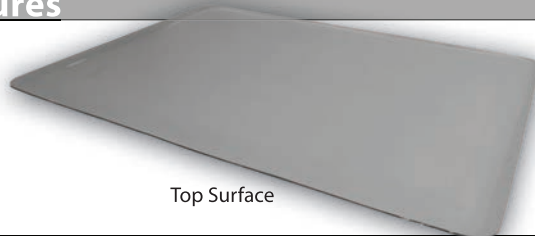


Profile

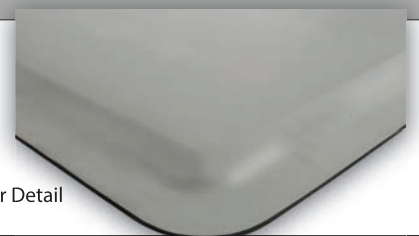


Thickness .5" (1.27cm)

Optimal Mat Pictures



Top Surface



Corner Detail

BENEFITS

COMFORT : Provides comfort for standing workers in static-sensitive and cleanroom.

ANTI-FATIGUE : Physiological benefits include increased alertness, reduced sick-leave and fewer quality issues.

ALWAYS BEVELED : Every edge beveled for safety.

CLEANABLE : Easy to clean and sanitize daily.

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	Standards	Measurement Unit	Requirements	Average Values NAT 3mm
Hardness -----	ISO 7619	Shore A	≥ 75	85 ± 5
Residual Indentation -----	EN 433	mm	≤ 0,20	0,10
Abrasion Resistance -----	ISO 4649 (Met.A - 5N)	mm ³	≤ 3 250	200
Dimensional Stability -----	EN 434	%	± 0,4 max	≤ 0,4
Thermic Resistance -----	DIN 52612	M2K/W	--	0,020
Electrical Resistance -----	IEC-613404-11	Ohm	--	5 x 10 ⁶ Ω
Electrostatic Charge When Walked On -----	EN 1815	kV	≤ 2	≤ 2 antistatic
Resistance to Stains -----	EN 423	--	--	resistant
Acoustic Insulation When Walked Upon -----	ISO 140-8	dB	--	10
Slipping Resistance -----	DIN 51130 BCRATOR TUSTEST ASTM D 2047-93	class μ	BIA ≥ 0,40 ≥ 0,6 (ADA)	R9 0,60
Colour Fastness to Artificial Light -----	ISO 105-B02 Met. 3	degree	≥ 6 blu scale ≥ 3 grey scale	in accordance
Cigarette Burns -----	EN 1399	rating	met.A ≥ 4 met. B ≥ 3	in accordance
Fire Behavior -----	DIN 4102 ASTM E 648 UNI 8457 - UNI 9174 NFP 92-507	class	B1 1 1 M3	B1 1 1 M3
Flexibility -----	EN 435 Met.A (Ø 20 mm)	--	no fissuring	no fissuring
Effect of a Castor Chair -----	EN 425 Castor wheels typeW	--	no alterations	suitable
Warranty -----	3 Years			

Technical data might be subject to modifications



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