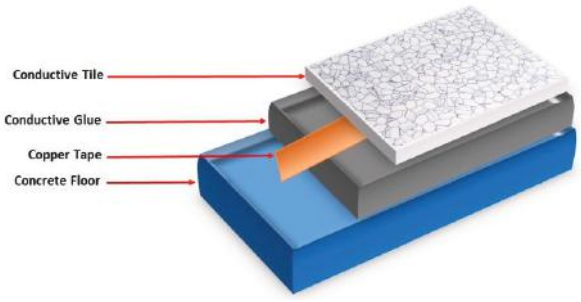
EVS1

ESD VINYL SHEET

HYGIENIC FLOORING

DESCRIPTION

Electrostatic Discharge (ESD) flooring protects electronics from damage caused by static electricity, which accumulates as people walk. Conductive elements distributed throughout the flooring material give ESD floors electrical conductivity and create an electrical pathway for the walking surface to ground.



USES

Antistatic vinyl flooring is used to setup a special space, very often in commercial setup, that will be free of static shocks, or zaps. Example of spaces that need ESD Vinyl tiles are clean room, manufacturing & assembly workshops of electronic products, hospitals, data center & computer room.

BENEFITS

- Anti-bacterial
- Able to sustain heavy traffic usage - wear resistant
- Excellent stain resistance and easy to clean
- Good chemical resistance
- Fast and clean installation

COLOURS

Available in standard flooring colours.

FINISH

Gloss

TECHNICAL INFORMATION

DESCRIPTION		
Total thickness	EN428	2.0mm
Product weight	EN430	2900gm/m^2
Roll width	EN426	2.0m
Roll length	EN426	20.0m
SAFETY CRITERIA		B1
Fire resistance	DIN4120	R9/DS
Slip resistance	DIN51130/EN13893	
GENERAL PROPERTIES		
Amount of anti-wear	SJ/T11236-2001 (≤ 0.020g/cm^2)	Equal 0.014
Residual indentation	EN433/SJ/T11236-2001	< 0.1mm/≤ 0.15mm
Dimensional stability	EN434	≤ 0.35%
Smoke Density	ASTME-662	< 450
Electrical Behaviour	SJ/T11236-2001/EN1081	1.0 x 10^6 Ω
Decay time	SJ/T10694-2006(IVI<100V)	Equal 0.35
Charge voltage	SJ/T10694-2006(IVI<100V)	Equal 70
Thermal conductivity	EN12667	0.03W/ (m.k)
Castor wheel	EN425	Suitable
Colour Fastness	EN ISO 105-B02	6 degree
Chemical product resistance	DIN423, FN ISO 26987	Good
Impact sound reduction	VLI, ISO104, ISO717	Approx 2dN
Bacterial resistance	DIN EN ISO 846-A/C	No observed growth
Applications	ASTM F51/68	Class A, non-shedding widely used in electronics, microelectronics, clean room ISO 1446-11999 Class 4

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MAINTENANCE

The use of any regular application of wax or synthetic floor finish on ESD vinyl tiles is not recommended. The use of any such material will build an insulation film on the surface. This will reduce its effectiveness and affect its performance. The preferred method is dry maintenance method. Spray clean or burnish floor using a rotary buffing machine with appropriate pads and spray buff solution that contains water, alcohol and neutral detergent.

If unable to use dry method, wet maintenance can also be used. In wet maintenance, the floor should be scrubbed with a neutral pH detergent. Do not flood the floor with cleaning solution or rinse water. use as little water as possible.

HEALTH & SAFETY

Wet Floors are normally more slippery so when cleaning proceed with caution. This awareness is even more important in Health Care applications when protective nylon footwear is worn. Use proper signage and always keep traffic off floors until they are thoroughly dry. Slipping on an improperly maintained floor is not considered the fault of the flooring product.

FURTHER INFORMATION

With a wealth of technical experience built up over many years in our pursuit of excellence especially in the protective and flooring technology, contact **MACHLAB** for further consultation.

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