



Jotun Protects Property




Jotafloor ANTISTATIC



FLOOR COATING SOLUTIONS


JOTAFLOOR ANTISTATIC COATING

Jotafloor Antistatic floor coating solution provides superior protection from Electro Static Discharge events. The complete system prevents the accumulation of any static charges, by dissipating it from the topcoat to the primer, and eventually to the copper grid, leading it to be safely discharged at an earthing point.

KEY FEATURES:

-  Highly electrostatic
-  Self Leveling
-  Durable

-  Seamless, smooth and
-  Provides hygienic surface

-  Available in a variety of colours

AN ANTISTATIC FLOOR SOLUTIONS WORKS ONLY WITH A COMPLETE SYSTEM:

PRODUCT	APPLY AT	NUMBER OF COATS
Jotafloor Sealer HS	100 microns	2
Copper tape	9-12 mm wide	2mtr x 2mtr grid
Jotafloor Antistatic Primer	40 Microns	1
Jotafloor Antistatic	1.5 - 2 mm	1



WHAT IS ELECTRO STATIC DISCHARGE?

When 2 objects with different electrical charges come in direct contact with each other, there is a transfer of electrons. This build up of energy is looking for a way to release to balance the electrons. This release happens in the form of a static discharge. A person walking across the floor generates static electricity as they are continuously coming in

WHAT IS STATIC ELECTRICITY?

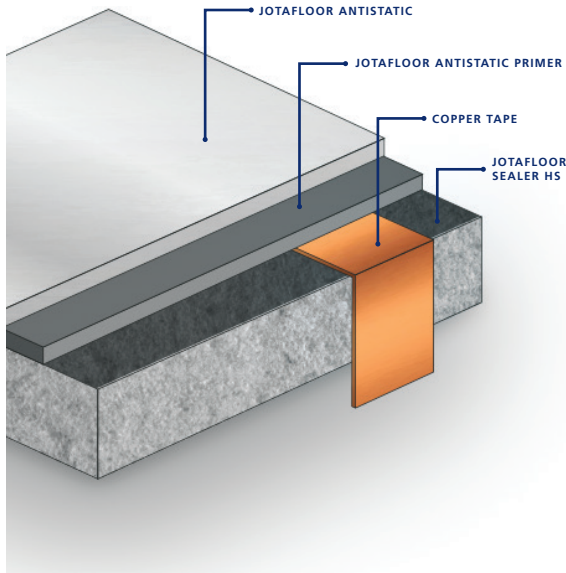
As the name implies, static electricity is electricity at rest. The electrical charge is the transference of electrons that occurs when there is sliding, rubbing or separating of a material which is generator of electrostatic voltage.

WHY IS IT ESSENTIAL?

A potential static discharge can lead to damaging of sensitive equipment microchips, integrated circuits and electrically sensitive instruments. For volatile environments, these sparks can have more serious consequences of a fire or a potential explosion.

These types of sparks are especially dangerous in environments that may contain flammable liquids, solids or gases, such as a hospital operating room or explosive device assembly.

HOW IT WORKS



GLOBAL STANDARDS

Jotafloor Antistatic coating meets IEC 61340 and ANSI ESD 20.20, which are the standards that define the requirement for all relevant components in ESD protected areas. This includes:

Electrical resistance to ground as per IEC 61340-4-1 of the flooring should be $< 10^9$ ohms.

Electrical resistance properties of system including person + footwear + floor should be less than 3.5×10^7 ohms as per IEC 61340-4-5.

The body voltage generation should not exceed 100 volts as per IEC 61340-4-5.

AREAS OF USAGE?

AN ANTISTATIC COATING IS REQUIRED FOR PLACES SENSITIVE TO STATIC DISCHARGES, SUCH AS:



LABORATORIES

DATA CENTER



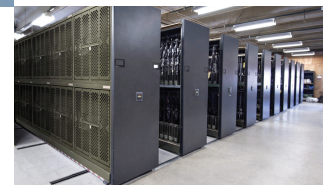
ELECTRONIC ASSEMBLY

PHARMACEUTICAL



MEDICAL FACILITIES

AMMUNITION STORAGE WAREHOUSE



MEASUREMENT OF THE CONDUCTIVITY OR ELECTRICAL RESISTANCE OF JOTAFLOOR ANTISTATIC SYSTEMS.

The equipment that is used for checking the measurement of conductivity or electrical resistance of this flooring system is Ohm meter as shown in the picture. The range of the ohm meter should be in the range of 1×10^2 to 1×10^9 ohms.

Jotun recommends for measurements according to IEC 61340 the use of metal electrodes with a contact area of 65 ± 5 mm, a conductive rubber pad of Shore Hardness A = 60 ± 10 and a weight of 2.5 ± 0.25 kg for hard resin floor surfaces.

The metering voltage required for an electrical resistances of $< 1 \times 10^6 \Omega$ is 10 V, whilst the metering voltage for an electrical resistances of $\geq 1 \times 10^6 \Omega$ is 100 V. Body Voltage Generation (BVG) is measured separately with an 'electrostatic field meter'.



STAY IN TOUCH

At Jotun, we don't just sell a high quality product; we back it up with the highest quality customer service. We are your partner in achieving your project's goals. With industry-leading technical support and a track record of global market experience, our aim is to not only meet, but exceed your needs.

Please contact your local Jotun representative to learn more about how our products can play an important role in your projects.

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