



# AcuMat

POLYMERIC FLOORING

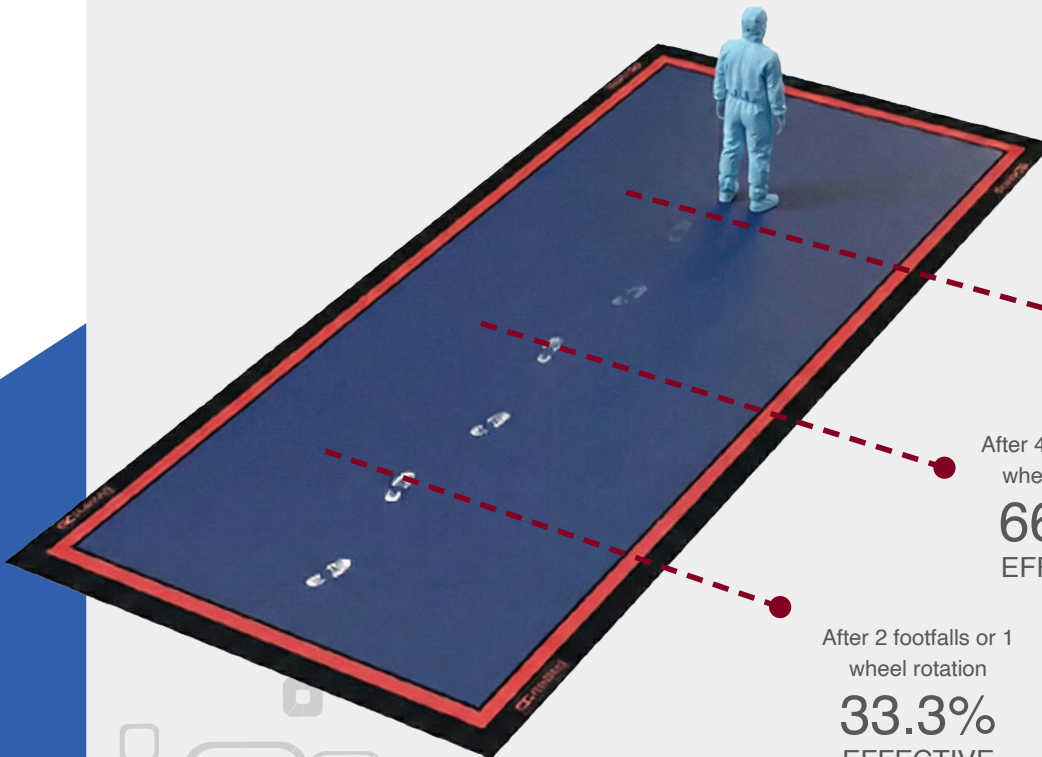
***“Engineered Intelligence Underfoot”***

*by CC Matting*



*A 3M study determined 80% of contaminants entering critical areas were carried in by foot and wheeled traffic.*

*AcuMat polymeric flooring offers up to 99% contamination control within 6 falls of the feet.*



After 6 footfalls or 3 wheel rotations

**99%**  
EFFECTIVE

After 4 footfalls or 2 wheel rotations

**66.6%**  
EFFECTIVE

After 2 footfalls or 1 wheel rotation

**33.3%**  
EFFECTIVE

## How AcuMat works

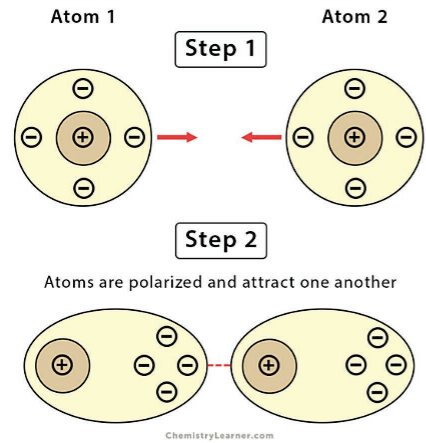


The mat's high-energy surface combines industry-leading tackiness with short-range electromagnetic forces to leverage the **Van der Waals** effect. The natural polymeric tackiness (which is restored by periodic cleaning) removes particles from wheels and feet. The combination of these properties enable the mat to attract and retain particles from over 100 microns down to a few nanometers.

**ISO**  
45001:2018  
CERTIFIED

**ISO**  
9001:2015  
CERTIFIED

### Van der Waals Forces



## Where tacky mats fail, polymer flooring outperforms

The **AcuMat** polymer flooring system will drastically improve your level of contamination control and reduce your carbon footprint. If the manufacturer's cleaning recommendations are followed, there is a minimum of 60% cost savings over the life of the mat. There will also be a drastic aesthetic improvement



	<b>AcuMat</b>	<b>Tacky Mats</b>
<b>Size</b>	Unlimited	3.84ft x 3ft
<b>Contamination Effectiveness</b>	99%	27%
<b>Particle Shedding</b>	0-15K at the end of life cycle	300K at end of 8 hr shift
<b>Environmental Footprint</b>	100% Recyclable	Non-Recyclable
<b>Volatility</b>	Very Low	Very High-Static producing & Particle Shedding



## Effective Antibacterial *Technology*

Our products incorporate Biomaster™ antimicrobial agent (based on Silver-Ion technology) from Addmaster as an integral part of our polymer composition. This advanced antimicrobial solution inhibits the growth of bacteria, fungi, mold and other microorganisms, which in turn supports cleaner products, safer processes and more controlled environments.



Silver-Ion technology has been independently tested in over 2,000 applications and has been proven to reduce the growth of over 50 harmful organisms by up to 99.9%. Silver is inorganic and non-leaching, meaning it stays within the material it has been added to and provides effective and lasting antimicrobial protection.

## Is electrostatic discharge an issue?

If your facility is at risk from electrostatic discharge – AcuMat has the solution for you.

Surface resistivity ( $\Omega^2$ ) governs how easily electrical charge can move across a material's surface. AcuMat polymer flooring is proven to dissipate static at  $10^{10}$  Ohms and reduce potential ESD damage. This dissipation action attracts and retains 75% of airborne particles.



## AcuMat Compliance / Efficacy

✓ CE Marked

✓ Anti Microbial Properties

✓ REACH Compliant

✓ ISO 9001

✓ VOC Tested

✓ ISO 45001

✓ Forklift Traffic Suitable

✓ Static Dissipative

✓ Annual Performance Test / Contamination Control Report

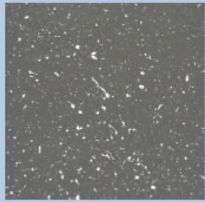
✓ 2 Yr Warranty

## Applications

- Biomedical
- Pharmaceutical
- Medical Device
- Life Sciences
- Microelectronics
- Optics
- Solar
- Data Centers
- Data Storage
- Animal Labs
- Automotive OEM
- Food Processing
- Hospitals
- Aerospace
- Semiconductor
- Critical Industrial Applications



Solid Gray



Speckled Gray



Blue

## Our manufacturer: CC Matting

With over a decade of experience in the contamination control industry, **CC Matting** has developed a polymeric mat that is the strongest and most durable contamination control mat on the market. Our polymeric flooring system is scientifically proven by an independent lab to have the highest pull off force (N) compared to any other mat on the market\*. (See Note 1)

Made from a polyester polymer, a non-migratory plasticizer and a double layer of polyester fiber backing, our mat boasts a load resistance of 1,849 pounds per square inch. This incredible load resistance provides more suitable coverage for high traffic areas and where motorized pallet trucks and forklifts are utilized. No other polymeric flooring is rated to this load resistance.

Acumen Technology installs the AcuMat nationwide with our own team of trained installers. We use semi-permanent adhesives, so very little if any remedial work on the subfloor is required when the time comes to replace the mat. A simple peel, dispose, degrease and clean and the subfloor is ready for a new mat.

\* Note 1: This pull off force is used to verify the effectiveness of our mats during the Annual Performance Test / Contamination Control Report

## Some of our *customers*

