



Berendsen Cleanroom Flexi Mats

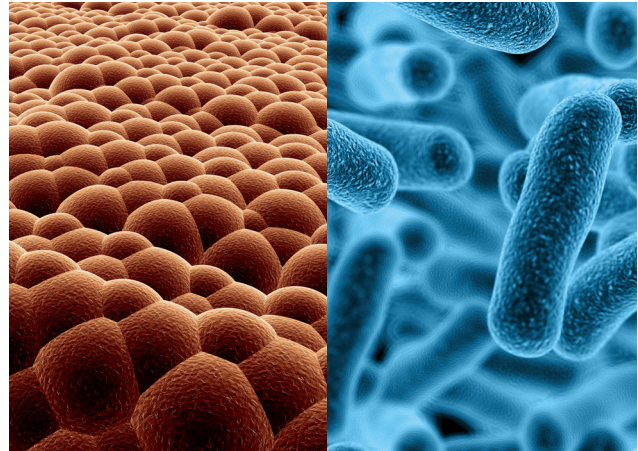
Critical Contamination Control

The invisible enemy

Contamination can be a costly problem

Air, foot and wheel contamination in manufacturing, processing and changing areas can have an impact on many aspects of business, interrupting production, reducing product yields and in serious cases, ruining reputations.

The focus for conventional contamination control is airborne and personnel movement – a real problem also lies at floor level so the need to control contamination here is vital.



Airborne particles such as spores or skin flakes can carry bacteria and severely contaminate your cleanroom.

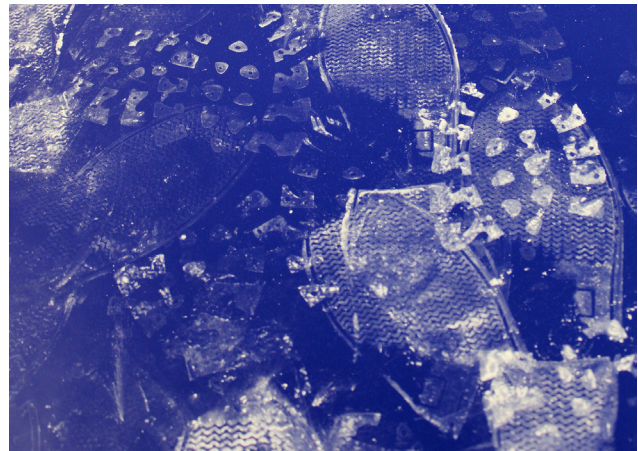
Do not take the risk!

“

Polymeric flooring is much more effective in controlling both viable and non-viable particles than peel-off mats.

”

Dr Caroline Clibbon,
GlaxoSmithKline, Ware, UK



Choose Berendsen Cleanroom Flexi mat system for optimal contamination control

Contamination control

High performance Cleanroom Flexi mat system prevents up to 99.9% of foot, wheel and airborne contaminants from entering or exiting your critical control points.

The high surface energy attracts, collects and retains dirt, dust and bacteria between cleaning. This ensures that contamination from feet and wheels to your cleanroom or controlled environment is minimized.

The Cleanroom Flexi mat is specially developed by Dycem with Biomaster® - an inorganic silver antimicrobial - as an integral ingredient. This provides effective and lasting antimicrobial protection. Biomaster® is proven to reduce the growth of harmful bacteria such as Campylobacter, MRSA, E.Coli, Listeria, Salmonella and many others by up to 99.9%.



Flexibility

If you have experienced contamination issues in your changing areas, Cleanroom Flexi mat is the solution. If you would like to make it visual that you are stepping from one zone to another Cleanroom Flexi mat is the solution.

There are numerous relevant applications - all entry and exit points to critical areas to prevent ingress and egress of contamination and to stop the spread of potent compounds:

- Gowning rooms
- Step-over benches
- Pedestrian airlocks
- Material airlocks
- Air showers
- Laboratory entrances
- GMP corridors
- Work stations
- Isolation chambers

Berendsen Cleanroom Flexi mats come in various sizes and colours and can be custom-produced with your logo or other print.

Security

The main purpose of the Cleanroom Flexi mat is to secure contamination control in your critical areas. However, it also ensures security and ergonomics to the operators:

- Mats can be useful in visualizing distinction between contaminated and clean zones.
- Unlike peel-off mats, the corners of Cleanroom Flexi mats stay attached to the ground and prevent accidents from happening.
- Standard cleaning method of the mat is more ergonomically friendly for your employees - less movement and bending over.



Removal of peel-off mats generate turbulence in a cleanroom and spreads particles



Reduce the risk

Better than other solutions

Comparisons	Cleanroom Flexi mat	Using nothing	Peel-off mats	Foot baths
Is 99,9% effective in inhibiting foot and wheel-borne contamination	✓	✗	✗	✗
Captures 75% of airborne contaminants - air contamination is captured on the mat	✓	✗	✗	✗
Doesn't redistribute particles back into the atmosphere - contamination is retained on the mat and then cleaned away	✓	✗	✗	✗
Does not harbour bugs because of Biomaster antibacterial finishing - they do not stay in the critical area	✓	✗	✗	✗
Large surface area to allow for multiple footsteps - you ensure 99,99% decontaminated footwear	✓	✗	✗	✓
High surface energy - particles are retained on the mat	✓	✗	✓	✗
Adhesive free - you don't bring adhesives from your shoes into the cleanroom	✓	✓	✗	✓
No peeling of peel-off mats - no particle spread	✓	✓	✗	✓

Berendsen Cleanroom Flexi mat outperforms its competition by trapping 99,9% of foot and wheel-borne particulates.



Peel-off mats wrap around the wheels of trolleys and carts. This creates contamination of the cleanroom and takes off extra peels.

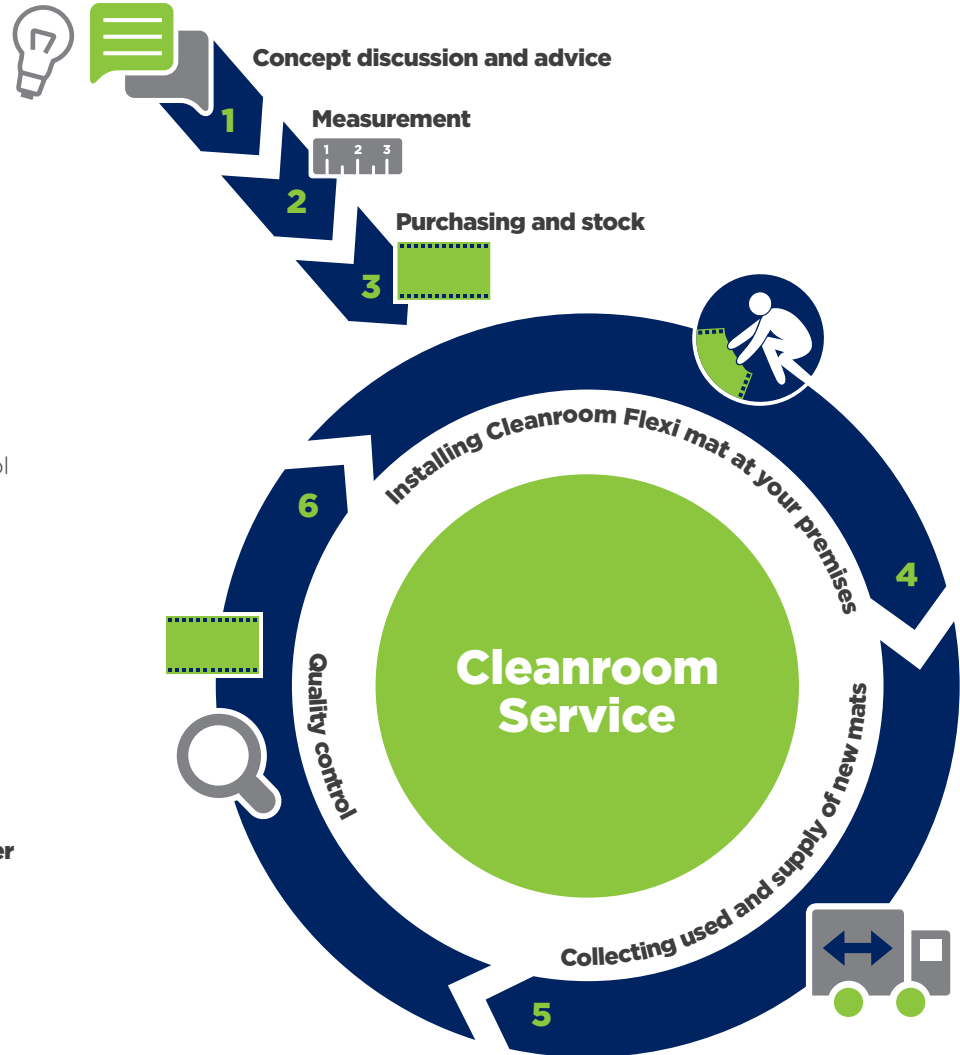


Berendsen Cleanroom Flexi mat's unique polymeric surface is soft and supple conforming to shoe and wheel profiles and collecting particles between 0,1 and >100 microns.

How the service works

Trust us to take care of the whole service process:

- Analyze your needs and suggest an optimal mat solution for your premises
- Systematically install new Cleanroom Flexi mats at your preferred time interval and collect the used ones
- Perform continuous quality checks on the mats to ensure effective contamination control





Reduce total costs

Optimal solution for your economy and environment

Handling & waste control

Disposing of adhesive peel-off mats which are heavily laden with hazardous contaminants is a very costly exercise. It is often done inconsistently and taking several peels each time.

In a service set-up with Berendsen, your Cleanroom Flexi mat will be exchanged in a systematic way, e.g. every 3 months. The mat is easily placed by us or by you. You also avoid the bad ergonomics and spreading of particles during peel-off.

Berendsen Cleanroom Flexi mats are easily integrated into your SOP and can be cleaned as part of your regular floor cleaning schedule. The Berendsen Cleanroom Flexi mats is an environmentally friendly solution supporting corporate social responsibility.

Total solution

Berendsen Cleanroom Flexi mats is more than just a product. Our team of contamination control experts ensure the best possible service in order to protect your critical environments.

This includes an in-depth site survey, consultation, control of systematic change and support. We take care of purchasing, administration, waste disposal and other costs that might arise, so you can focus on your core operations.

The Berendsen Cleanroom Flexi mat system will ensure you high quality, cost effective and environmentally friendly solution.

Focus on what you do best and let us handle the service

In addition to an outstanding service, we offer you savings in purchasing of mats, administration, waste handling and costs caused by contamination.

Contamination costs, however, are difficult to measure but can have a devastating effect on your production.

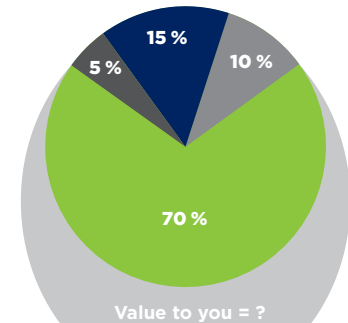
Estimate your current cost profile

70% Your current purchasing costs, adding costs of multiple peels taken off by error of operator and/or carts

5% Cost of invested capital, bad CSR publicity due to extensive waste disposal

15% Cost of handling & waste disposal of peel-off mats - including time spent and "cost" of bad ergonomics

10% Administration costs - purchasing and stock handling (time spent and space used)



Contamination costs - contamination of your cleanroom is a separate risk with a value to you which only you can estimate. Contamination comes from a.o. spreading of particles during peel-off and due to inconsistent peel-off. Contamination from adhesives from peel-offs getting into your cleanroom. Contamination by too small mats that do not ensure sufficient steps to retain particles.

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The Berendsen Group has more than 16.000 employees operating in 16 countries providing textile services within a broad variety of areas ranging from mats and washroom services to cleanroom services. Berendsen plc is Europe's largest textile service company listed at the London Stock exchange.

With a knowledge base built up over more than 100 years, Berendsen continuously improves its business models

to meet customer demands. Partnering with Berendsen ensures you an experienced partner and tailored textiles service to meet your specific requirements.

Contact us: Call us on +45 23 73 93 27 or visit us on www.berendsen.com to hear more about what we can do for you.

We provide a 360° solution for our customers:



Cleanroom garments

We offer a wide range of cleanroom garments and accessories for all production types. Moreover, we offer a selection of cleanroom undergarments for extra protection under the coverall.



Cleaning system

Use our complete cleaning system for cleaning Cleanroom Flexi mats. It is targeted for use in cleanrooms and controlled environments and complies with applicable ISO and GMP standards.



Clogs for cleanroom

A shoe concept especially suitable for conditioned areas (and laboratories) focusing on hygiene. It entails wash and disinfection so you save time and ensure an optimal hygiene level.



Washroom solutions

Increase hygiene level in your production even further by installing our Intelligent Washroom solution. It will ensure your employees maintain high personal hygiene at all times.