



Stops contamination in its tracks

**Dycem sells to 45 out of
the top 50 pharmaceutical
companies.**

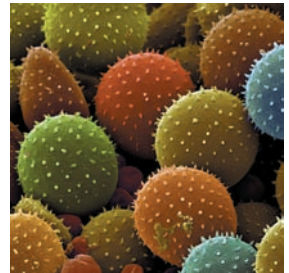
High Performance
Contamination Control Zones

www.dycem.com

Independent published tests prove that Dycem is over 99% effective at attracting, collecting and retaining foot & wheel borne contamination across a very wide range of particle sizes.

Rank [06 Rank]	Company & Headquarters [Web site]
1 [1]	Pfizer New York, NY
2 [2]	GlaxoSmithKline London, England
3 [3]	Sanofi-Aventis Paris, France
4 [4]	Novartis Basel, Switzerland
5 [5]	AstraZeneca London, England
6 [6]	Johnson & Johnson New Brunswick, NJ
7 [7]	Merck Whitehouse Station, NJ
8 [8]	Roche Basel, Switzerland
9 [10]	Wyeth Madison, NJ
10 [9]	Eli Lilly Indianapolis, IN
11 [11]	Bristol-Myers Squibb New York, NY
12 [15]	Bayer Leverkusen, Germany
13 [13]	Abbott Abbott Park, IL
14 [12]	Amgen Thousand Oaks, CA
15 [14]	Boehringer-Ingelheim Ingelheim, Germany

Dycem supplies High Performance Contamination Control products to the top 15 pharmaceutical companies and 45 out of the top 50. Dycem helps these companies to contain a range of particle sizes from 0.1 micron to 100 micron. Dycem is particularly effective in collecting particle sizes of 0.5 micron.



Bacterial spores. Mag x 24,000

Source: - THE PHARM EXEC 50,
The winners' circle
Pharmaceutical Executive Europe
magazine, May 2008



The need for Contamination Control

It is widely accepted by the pharmaceutical industry that microbial contamination and cross contamination can have serious consequences for all the industries which comprise the life sciences market.

Such contamination included in a batch of aseptic drugs can lead to the whole batch being quarantined or scrapped, leading to a supply shortage and serious financial consequences.

Dycem can be used at all entrances and exits to Critical Control Points (CCPs) to reduce the risk of both viable and non viable contaminants entering the critical manufacturing areas.

Auditors, such as the FDA, MHRA and other professional bodies such as HACCP, FMEH, GAMP, FMECH, IPSE recognise the importance of controlling contamination and implementing an effective Contamination Control Flooring System.

The Benefits of choosing Dycem:

- Where potent compounds are used Dycem helps to eliminate cross contamination.
- Many blue chip pharmaceutical companies use Dycem as an integral part of their GMP programme.
- Dycem is also included in Standard Operating Procedures (SOP's) and meets the requirements of all regulatory bodies including the FDA.
- Dycem is particularly effective at trapping particles in the range 5 - 0.5 micron preventing them from getting into critical manufacturing areas.
- Reduce reject rates, improve operational effectiveness, and save money.

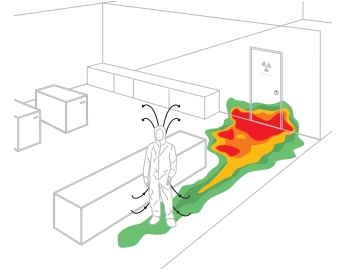


How Dycem helps you

80% of all contaminants entering or exiting a critical area do so through the entrances and exits at or near floor level (source 3M) therefore a form of contamination control to prevent ingress or egress is Good Manufacturing Practice (GMP).

A large barrier to all your Critical Control Points is clearly more effective than no form of floor control or a peel-off mat. In fact Dycem has empirical data from a senior microbiologist at GSK which proves that Dycem is over three times more effective than peel-off mats.

The Cleaning Protocol and Standard Operating Procedures written by Anne Marie Dixon, renowned cleanroom expert, can readily be shown to the auditors proving you are maintaining Dycem correctly.



Testing/Validation

Dycem products can be tested in a variety of ways.

Qualitatively - you can visibly see the amount of contaminants attracted, collected and retained on the system in between wet-cleaning.

Quantitatively - you can take particulate counts before and after using Dycem and measure the difference.

In addition you can demonstrate from the annual Particulate Collection Efficiency Test that your Dycem is still working efficiently.

Case Studies:

Dycem Antimicrobial

All Dycem products contain an integral anti-microbial additive. Our products have been successfully tested against 50 common organisms including Salmonella, E.coli, Listeria, Campylobacter, Pseudomonas, A.Niger (black spot mould growth), and Algae. The BioMaster additive also helps combat MRSA.

For further details of these tests and purity information on outgassing visit:

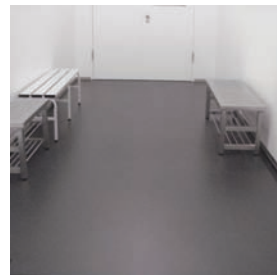
www.dycem-cc.com/biomaster.php

Where to Use

Dycem is ideal for aseptic process areas, gowning rooms, bulk manufacturing, warehousing, prepackaging, processing and R&D areas.

Use at:

- All entrances to prevent the ingress of microbial contamination.
- All exit ways to reduce the risk of cross contamination.
- Inside the critical areas to reduce the amount of airborne microbes created by the movement of personnel and wheeled traffic.



Dycem floor coverings installed in the gowning area of a Roche facility.

Eli Lilly France

Challenge – As a supplier to a number of high profile pharmaceutical companies, Lilly insists on exceptional standards of manufacturing.

Solution – CleanZone was installed in a number of corridors leading to the critical areas, giving Lilly the quality they demanded.



"Dycem High Performance Contamination Control Zones have certainly reduced our particulate levels as well as reducing our cleaning costs. We have been very happy with the results and the continued customer care that we have experienced from the Dycem team."

Monsieur Claude W. Muller

Expert trainer in 'techniques aseptiques' speaking on behalf of Lilly France



Boehringer

Challenge – Boehringer were looking to reduce the amount of microbial cross contamination being tracked into production areas from the warehouse.

Solution – Two test areas of Dycem were installed and monitored by Boehringer's senior on site microbiologist. The results were outstanding, just two small areas reduced the levels of microbial contamination by two thirds.





Schering Plough (France)

Challenge – As a major manufacturer of biotechnology based products, Schering Plough needed a quality resolution in reducing contamination from entering production facilities.

Solution – Dycem Clean Zone has been installed at numerous entrances & exit ways to prevent contamination entering clean areas.

GlaxoSmithKline (UK)

Challenge – To meet and exceed the rigorous standards required to prevent microbial cross contamination in critical areas of the Pharmaceutical Research and Development Unit.

Solution – Senior Microbiologist, Caroline Clibbon, carried out tests which showed Dycem to be over 99% effective in preventing floor contamination entering the clean areas. The tests also revealed that the peel-off mats in use in the facility were only 27% effective. As part of its cGMP programme Glaxo has since installed Dycem WorkZone and CleanZone throughout the facility in Ware and in a sister facility in Mayenne, France.

Dycem Contamination Control provides seamless, hygienic, antimicrobial flooring to suit all pharmaceutical production and process areas.

For further details or to arrange a free trial please contact Dycem.



Please contact us for specialist advice on the right option for your facility:

UK +44 (0) 117 955 9921 or email: uk@dycem.com

USA 1-800 458 0060 or email: info@dycemusa.com



ProtectaMat - is a loose laid mat designed to control foot and wheel borne contamination. The ProtectaMat is also available with a self-adhesive backing option for heavier wheeled traffic.



CleanZone - is a High Performance Contamination Control Zone designed to attract, collect and retain viable and non-viable contamination. Suitable for light wheeled traffic and heavier pedestrian flows. Available in a range of mat or floor covering options to suit your facility's needs.



WorkZone - is a heavy duty version of CleanZone designed for use where there are concerns about contamination and cross contamination from personnel, and the wheels of carts including pallet trucks, fork lifts, trolleys & vessels.



Cleaning - Dycem recommend their high performance range of cleaning products and equipment, designed to maximise product performance and life cycle.



Bench Mat - prevents movement of components and loss of small items. Improves accuracy, precision and assembly time and great for stabilising fragile laboratory equipment.



Non-slip products - Dycem Non-Slip products are non-sticky but amazingly grip to dry surfaces without the use of an adhesive. They effectively cushion, stabilise and protect products and equipment. Dycem Non-Slip is available in a range of product options including reels, mats, self-adhesive panels and discs.



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Dycem Ltd, Ashley Trading Estate,
Bristol, BS2 9BB, United Kingdom

Tel: +44 (0) 117 955 9921
Fax: +44 (0) 117 954 1194
Email: uk@dycem.com

Dycem Ltd USA, 83 Gilbane Street,
Warwick, RI 02886, USA

Tel: 1-800 458 0060
Fax: 401 739 9634
Email: info@dycemusa.com

www.dycem.com

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