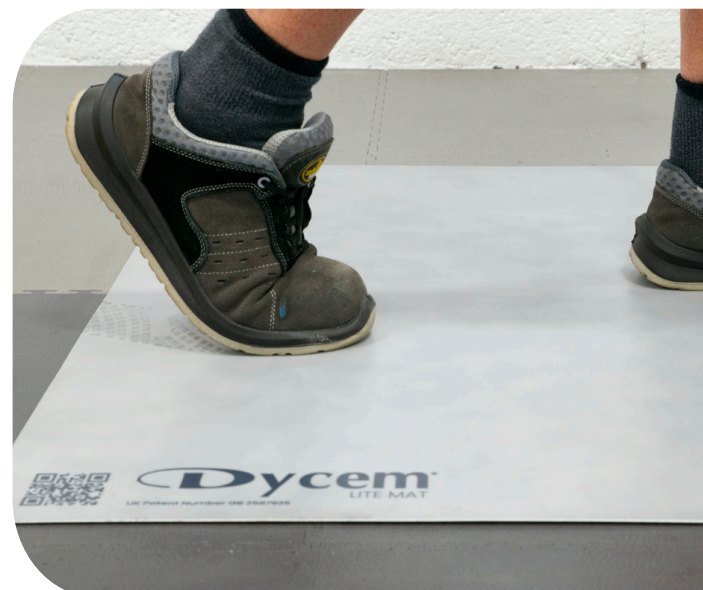


DYCEM[®] LITE MATS

PRODUCT GUIDE & USER MANUAL



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PRODUCT INFORMATION SHEET

Dycem® LITE MATS

Introducing our simplest, ready-to-use, loose-laid mat. The superior alternative to sticky mats.

The consumable nature of Dycem Lite Mats is perfect for facilitating the initial adoption of reusable systems. Dycem Lite Mats are naturally tacky, washable, polymeric mats suitable for pedestrian and light-wheeled traffic. Scientifically proven to capture up to 99.9% of shoe and wheel-borne contamination, and up to 75% of airborne particles, these mats offer all the benefits of classic Dycem, but in its lightest form.

An innovative solution to transition from consumable alternatives such as sticky mats, Dycem Lite Mats showcase a patented design that is perfect for smaller areas that require superior contamination control in the most cost-effective way possible.

Take your first step with Dycem Lite.

KEY BENEFITS



REUSABLE and lightweight, with an edgeless design and no need for permanent installation or handling downtime



ULTRA LOW- PROFILE for a smooth transition on and off of the mat & a non-slip underside for stability in small areas



SUSTAINABLE solution with a 12-18 month lifecycle reducing the need for single-use plastics and lowering your carbon footprint



PATENTED double-coated technology with print benefits for increased customisation



ANTIMICROBIAL properties, Biomaster silver-ion technology provides 24/7 product protection throughout its entire lifespan



COMPLIANT and compatible, our product is designed to support best-practice under GMP and ISO guidelines

Dycem®



COLOR AND SIZING OPTIONS









Sky Grey



Scan Me For...
Cleaning Instructions



TECHNICAL FEATURES

- ✓ **SIZE:**
Widths of 0.9 m/ 1.2 m/ 1.8 m
Lengths of 1.2 m /2.0 m
- ✓ **WEIGHT:**
Nominal 1.27 kg/cm²
- ✓ **ANTIMICROBIAL:**
Biomaster silver ion additive incorporated during manufacturing, 24/7 protection against common microorganisms.
- ✓ **CLEANING REQUIREMENTS:**
Controlled manual clean.
Must be cleaned according to facility specifications and Dycem SOP's.
- ✓ **UK PATENT NUMBER:**
GB 2587925
- ✓ **PARTICLE COLLECTION:**
Proprietary polymeric blend with natural tack, optically smooth surface creates short range electromagnetic pull (van der Waals).
- ✓ **SURFACE RESISTIVITY:**
10⁸ ohms (tested to ASTM F150, DIN 51953, BS 2050)
- ✓ **CO-EFFICIENT OF FRICTION:**
≥ 0.30 in accordance with EN 13893 - Technical class DS
- ✓ **LOAD RESISTANCE:**
Pedestrian and lightweight cart traffic (70 kg/cm²)
- ✓ **COMPLIANCE:**






- ✓ **PRODUCT LIFECYCLE:**
12-18 Months
- ✓ **TOXICITY:**
Non-toxic, silicon, latex and melamine-free, no known adverse skin reactions
- ✓ **OUTGASSING:**
Requirements met for ISO 16000-3, ISO 16000-6, ISO 16000-9 and ISO 16000-11
- ✓ **UV & HEAT RESISTANCE:**
Working range 0-50° C.
Constant exposure to light will degrade surface.
- ✓ **FLAMMABILITY:**
EflS1 EN 14041:2004

DYCEM LITE

TECHNICAL DATA SHEET

Dycem Contamination Control polymeric mats are crafted using a proprietary blend of specialized polymeric compounds creating a natural tack. Our unique process technology produces a durable material that is optically smooth with high surface energy.

PRODUCT COMPOSITION:

Polymer compound.

COLOUR:

Sky grey on a printed substrate.

SIZE:

Pre-set sizes as advised.

WEIGHT:

Nominal 1.27 kg/m²

LOAD RESISTANCE:

Pedestrian and lightweight trolley traffic (70 kg/m²)

COMPLIANCE:

BS EN 14041:2004

REACH

RoHS 3 EU 2015/863

California Proposition 65

CO-EFFICIENT OF FRICTION:

≥ 0.30 in accordance with EN 13893 and shall be declared as Technical Class DS.

SURFACE RESISTIVITY:

Resistance to earth 10⁸ ohms.

Tested to ASTM F150, DIN 51953, BS 2050.

TENSILE STRENGTH N:

MD 606, CD 440

CLEANING REQUIREMENTS:

Controlled cleaning per shift is recommended using Dycem-approved tools and cleaning agents.

CAUTION: Slippery when wet.

ANTIMICROBIAL PROPERTIES:

Manufactured with Polygiene BioMaster silver additive as an integral ingredient, providing 24/7 antimicrobial protection.

BioMaster has been tested effective to inhibit growth by up to 99.99% of common microorganisms (MRSA, E.coli, Salmonella, Listeria, Campylobacter).

UV EFFECT:

No effect.

Tested at a presence of 10psi for 10 minutes @ 115°C. Constant exposure will degrade the product.

SKIN REACTION (LATEX FREE):

No adverse reaction.

After a 48-hour period of constant contact with Dycem material, there was no evidence of erythema, edema, or any other reaction to skin.

FLAMMABILITY:

EFIS1 EN 14041:2004

HEAT RESISTANCE:

Working range 0° to 50°

TOXICITY:

Non harmful.

Materials are silicon, latex and melamine-free. and compliant to REACH and California Proposition 65.

OUTGASSING:

Requirements met for ISO 16000-3, ISO 16000-6, ISO 16000-9 and ISO 16000-11.

FOR ADDITIONAL INFORMATION

CONTACT DYCEM:

CONTACT@DYCEM.COM

GENERAL INSTRUCTIONS FOR USE

Dycem® Lite Mats

Dycem® Lite Mats are an active working surface designed and implemented to protect critical areas from potentially disruptive and harmful contamination. With this in mind, please use the guidance below to ensure the longevity and efficacy of the Lite Mat and prevent any operational damage.

READY FOR USE:

Lite Mats are made-to-order and shipped directly to customers for immediate placement and use. Once removed from the packaging, the mat may require 24 hours to acclimate and lay fully flush against the subfloor.

TO USE:

Once in place, simply walk across the Lite Mat to decontaminate shoes prior to entering the controlled space. Make sure to always follow facility-specific PPE requirements and contamination control protocols.

PLACEMENT:

- The mat must be placed in a dry environment to ensure full contact between the non-slip backing and the surface beneath it. Humid or wet areas will lead to water penetration, making the non-slip backing ineffective.
- The mat is best suited for areas where it will mainly encounter foot traffic or light wheel traffic. It is not designed to withstand heavy loads or abusive traffic. Continuous exposure to heavy wheels or abusive loads will deform the mat ("alter its physical memory"), reducing its lifespan.
- The mat should not be placed in areas where objects are frequently dropped, or where turning or braking occurs, as these actions will accelerate physical wear and tear.

HANDLING:

- Always roll the material with active polymer facing DOWN.
- Do not roll the material too tight as this will cause stress over time and affects its shape memory when being placed back down.
- Avoid pulling the material from one single corner to prevent stretching or curling up of the edges.
- Take extra care with larger areas to avoid handling too aggressively.

GENERAL INSTRUCTIONS FOR USE

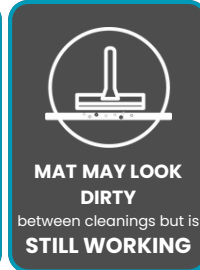
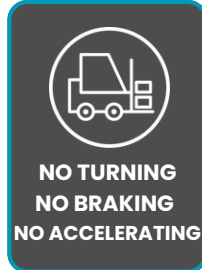
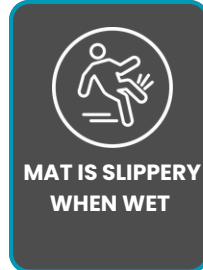
Dycem® Lite Mats

GENERAL INFORMATION:

- Post warning signs and instructions to all personnel.
- Ensure no heavy items are pulled across or are left on the Dycem surface for prolonged periods of time.
- During usage, your mat may look dirty. This is GOOD and shows that your Dycem mat is working to keep contamination out of your critical environments.
- Slight scuffing may become apparent if shoes are dragged across the Dycem surface, this does not affect how your Dycem mat performs.

WHEELED TRAFFIC:

- Given its properties, it is not primarily designed for heavy-wheeled traffic. Excessive weight can deteriorate the longevity of the mat due to physical stress.
- Light wheels should travel in straight lines over the surface of the mat.
- **NO** stopping or sudden breaking, **NO** static twisting or turning



CLEANING PROCEDURE

Dycem® Lite Mats

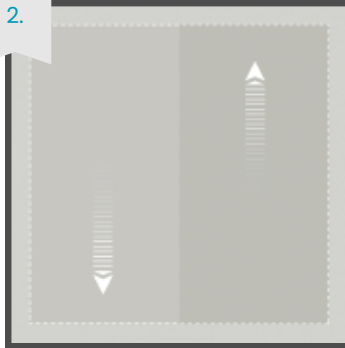


1.



For optimal performance, daily cleaning is recommended. Clean the subfloor per facility protocol and remove excess liquid with a flat mop or squeegee system, ensuring a dry surface.

2.



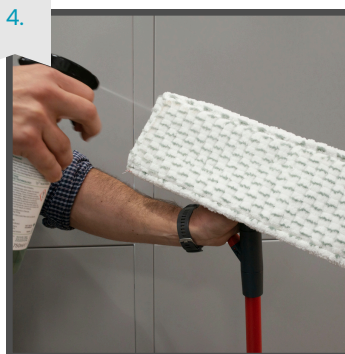
Clean the subfloor, agitating with a flat mop or hard foam squeegee, in a vertical direction, and remove excess residue/liquid. Repeat horizontally.

3.



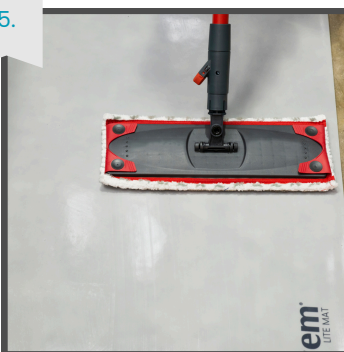
Fold over the Lite mat halfway and clean the underside of the mat using a flat mop or an isopropyl alcohol wipe (70/30 IPA recommended). Repeat the process on the other side and allow it to dry.

4.



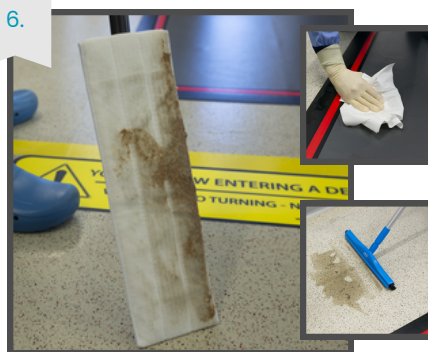
Replace the Dycem mat on the subfloor. Using a spray bottle, mop, or pre-saturated wipe, apply the diluted cleaner to the mop or the mat ensuring complete coverage.

5.



Using a flat mop or a squeegee, agitate the surface of the mat lifting the retained particulates. Working from closest to the controlled area moving outwards, agitate in both a vertical and horizontal direction for maximum contamination removal.

6.



Collect with dirty liquid/residue with a sponge, flat mop, or wipe and dispose per facility mandated SOP's. For heavily saturated mats, repeat cleaning steps 1-6 until the liquid removed is visibly clear.

Tips & Advice

- For maximum performance, clean your Dycem mats at least once a day (or as advised by your specialist) with the following:
 - InSpec N10 or approved cleaner
 - Spray bottle or mop
 - Flat mop or squeegee system
- DON'T FORGET to clean the underside of the mat and the subfloor.
- After cleaning the Dycem, wash out any equipment so that it is ready to reuse.
- To remove built-up spot contamination clean with a 70/30 isopropyl alcohol wipe.
- Where decontamination or sterilisation takes place using a phenolic or hydroxide, rinse as per the instructions. Otherwise a film will develop reducing the effectiveness of Dycem.
- **DO NOT USE** concentrated bleaching agents, scouring or abrasive powders, or cleaning machines with stiff brushes. Buffing or polishing machines will damage the surface, shortening the active working life of the Dycem.
- If you have any questions or concerns, please get in touch.

STANDARD OPERATING PROCEDURE (SOP)

Cleaning Dycem® Lite Mats in a GMP Environment

PURPOSE:

To provide a standard operating procedure for the cleaning of Dycem mats in a Good Manufacturing Practice (GMP) regulated environment.

SCOPE:

This SOP applies to all personnel responsible for cleaning and maintaining the cleanliness of floors in GMP areas.

MATERIALS:

- DYCLean, INSPEC™ N10 OR A DYCEM-APPROVED CLEANING AGENT
- Squeegee system such as Vikan
- Microfiber mop or spray bottle
- Flat mop or microfiber cloth
- Mechanical cleaning may be possible – check the compatibility with your Dycem specialist

CLEANING FREQUENCY:

- a. Clean Dycem mats at least once a day/shift (or as advised by your Dycem specialist) to maintain daily optimal effectiveness of contamination collection.
- b. Increase the cleaning frequency in high-traffic areas or as required.

CLEANING PROCEDURE:

- a. See page 8.
- b. Speak to a Dycem Contamination Control specialist to check compatibility with current SOPs.

REPORTING:

- a. Report any deviations from this SOP to the QC department.
- b. Record all cleaning activities in the [appropriate cleaning log](#).

NOTES:

- a. Wash out the equipment after use so that it is ready for reuse.
- b. To remove built-up spots of contamination, clean with a 70/30 isopropyl alcohol wipe.
- c. Where decontamination or sterilization takes place using a phenolic or hydroxide, rinse off as per the instructions. Otherwise, a film can develop, reducing the effectiveness of the cleaning solution.
- d. For heavily contaminated areas, contact your Dycem specialist for potential next steps/a compatible deviation of the standard SOP.

WARNINGS:

- a. Do not use concentrated bleaching agents, scouring or abrasive powders, or cleaning machines with stiff brushes. Buffing or polishing machines will damage the surface and cause movement, shortening the active working life of the mats.
- b. Do not use equipment that is not designated for Dycem/GMP cleaning purposes.
- c. [Download an attention sign here.](#)

TRAINING:

- a. Ensure that all personnel responsible for cleaning and maintaining the cleanliness of floors in GMP areas are trained on this SOP.
- b. Ensure that all personnel understand the importance of maintaining the cleanliness of GMP areas.

QUESTIONS:

For any questions or concerns regarding this SOP, contact Dycem or QC Department.

For additional information
CONTACT@DYCEM.COM

CARE AND MAINTENANCE

Tips and Troubleshooting

CLEANING:

- Dycem surface **MUST** be agitated to remove retained contaminants.
- To remove built-up spots of contamination, clean with a 70/30 isopropyl alcohol (IPA) wipe.
- If residue or film develops on mat, make sure to squeegee and rinse solution after cleaning.
- To ensure the longevity of the Lite Mat, both the underside and subfloor must be cleaned, particularly around the perimeter. This is essential for the material to avoid memory stress and absorption over time affecting its efficacy.
- Manual cleaning must be controlled. Avoid wet cleaning; instead, use a damp or dry microfiber/flat mop to reduce residue without causing water ingress.
- Use a controlled trigger spray on the mat or mop to clean effectively without oversaturating.
- Remove any water residue using a dry mop or PVA blade/sponge, picking this up away from the mat.
- If moved whilst cleaning, avoid creasing or folding the mat too firmly. Fold gently in half and repeat the process on the other side. Handling errors whilst cleaning will cause the malleable material to adopt the most recent physical form and memory.

See [cleaning instructions](#). Follow these instructions in order to ensure the most effective results and longevity of your Dycem Lite mats.

DAMAGE:

- Normal wear and tear, scuffing from shoes, and track marks from wheels are all normal and DO NOT effect the performance of the Dycem material to retain particulates.
- Minor nicks or cuts in material can be repaired with sealant. Contact Dycem for further instructions.
- If damage occurs, measures should be taken to remedy as quickly as possible to ensure the subfloor is not compromised and that a safety concern is not created.
- Damage or defects should be reported to Dycem immediately.
- Training for operators using Dycem mats is imperative.

ON-SITE SUPPORT:

Should you need additional advice or assistance, please reach out to the Dycem team to **SCHEDULE A VISIT** with your local contamination control specialist.

CONTACT

CARLOS MOURELLE

CONTACT@DYCEM.COM

Would you like to share
your experience?

CLICK HERE TO
GIVE A
TESTIMONIAL!

