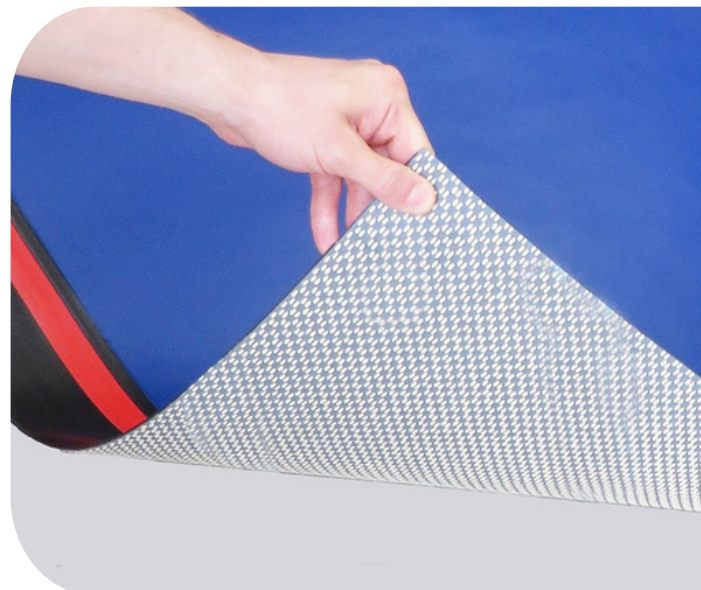


DYCEM[®] FLOATING MATS

PRODUCT GUIDE & USER MANUAL



v. 2401

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PRODUCT INFORMATION SHEET

Dycem® Floating Mats



Dycem® Floating Mats are loose-laid, ready-to-use floor mats that offer superior contamination control without the need for permanent installation.

Dycem® Floating Mats are versatile and can be easily moved, making them suitable for locations where permanent installation to the subfloor is not possible. They are ideal for facilities with raised flooring, access tiles, or areas under construction. The surface of the Floating Mat is made with CleanZone naturally tacky and reusable polymeric material for pedestrian flows and light-wheeled traffic up to 1000 lb/in² (70 kg/m²). Prevent up to **99.9% of shoe and wheel-borne contamination**, and up to **75% of airborne contamination** from entering controlled environments with Floating Mats.

— FLOATING MATS: KEY BENEFITS —



MADE-TO-ORDER & ARRIVE READY TO USE

Floating Mats are made-to-order and shipped directly to the customer for immediate placement and use. The product is pre-assembled and adhered onto a 1/16" (1.58mm) thick isolator membrane and comes complete with cold welded edging to the Dycem material, ensuring a strong bond during its life-cycle.



EFFECTIVE & CONVENIENT CONTAMINATION CONTROL

Placed in the unavoidable flow of traffic, the CleanZone material attracts and retains particulate that comes in contact with or near the surface. The underside of the floating mat is an impervious vinyl layer that resists moisture, minimizes sub-floor show through, as well as ensuring rigidity and a firm grip on the sub-floor when in use.

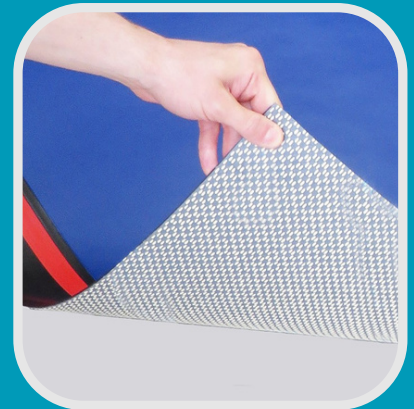


SUSTAINABLE ALTERNATIVE TO DISPOSABLE ALTERNATIVES

Floating mats are cleaned daily or per shift and have an average lifespan of over 1 year. No daily disposable waste is required and water usage from specialized cleaning in controlled areas is reduced.

WHERE TO USE:

- ✓ Where long-term adhesion to subfloor isn't possible
- ✓ Pedestrian entry and exits to controlled areas
- ✓ Areas where a movable solution is needed for cleaning or access purposes
- ✓ In between processes or rooms

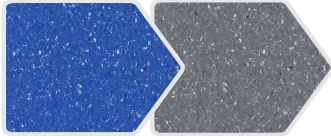


COLOR OPTIONS



Midnight Slate Green Red

*Solid colors help to HIGHLIGHT contamination



Cobalt Titanium

*Speckled colors help to MASK contamination

EDGING SYSTEMS



Inlay Edging



Red Blue Green

Black Edging

2 9/16" (65mm) wide, diminishing edge



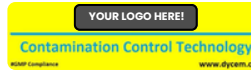
Black

VISUAL COMMUNICATIONS



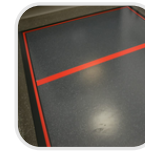
Floor Graphics

*customization available



Edging Labels

*customization available



Color Coding & Demarcation Lines

FLOATING MATS: TECHNICAL FEATURES

- SIZE:**
 Height - 1/8" (2.1mm)
 Standard Width - 4' or 6.5' (1.2mt or 2.0mt)
 Length - Custom, up to 12' (3.6mt)
- WEIGHT:**
 0.676 lb/ft² (3.3 kg/m²)
- ANTIMICROBIAL:**
 Polygiene BioMaster silver ion additive incorporated during manufacturing, 24/7 protection against common microorganisms
- CLEANING REQUIREMENTS:**
 Wet mopped or sprayed with approved cleaning agent, agitation to lift the residue, and squeegee dried: *Caution - slippery when wet*
- 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:**
 1000 lb/in² (70 kg/m²)
- COMPLIANCE:**
- PRODUCT WARRANTY:**
 3 years from dispatch, restrictions apply, see warranty statement
- 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 32°-122°F (0-50° C).
 Constant exposure to light will degrade surface
- FLAMMABILITY:**
 EflSI EN 14041:2004



TECHNICAL DATA SHEET

Dycem® CleanZone Floating Mats

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

COLORS:

Cobalt, Titanium, Midnight, Slate, Red or Green

SIZE:

Standard width (can be customized) -
4' or 6.5', (1.2mt or 2.0mt)
Length - custom, up to 12' (3.6mt)
Thickness - 1/8" (2mm +/- 0.1mm)

WEIGHT:

Nominal 0.676 lb/ft² (3.3 kg/m²)

LOAD RESISTANCE:

1000lb/in² (70kg/cm²)
When using a 900lb (400kg) truck on 4 wheels, each
contact area being 10in² (25cm²)

COMPLIANCE:

CE BS EN 14041:2004, ISO 9001, ISO 14001, 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:

Wet 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:

EfISI EN 14041:2004

HEAT RESISTANCE:

Working range 32°-122°F (0° to 50° C)

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

TO DOWNLOAD A COPY
[CLICK HERE](#)

GENERAL INSTRUCTIONS FOR USE

Dycem® Floating Mats

Dycem® Floating 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 in order to ensure the longevity and efficacy of the Floating Mat and prevent any operational damage.

READY FOR USE:

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

TO USE:

Once in place, simply walk across the Floating Mat to decontaminate shoes prior to entering the controlled space. **3 footfalls** from each shoe is suggested for optimal results. Make sure to always follow facility specific PPE requirements and contamination control protocols.

GENERAL INFORMATION:

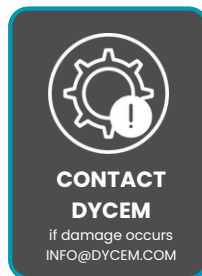
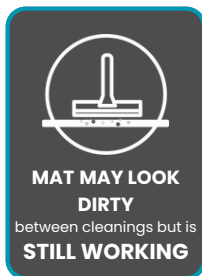
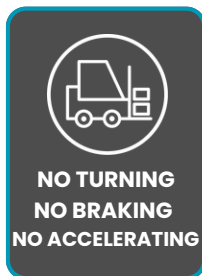
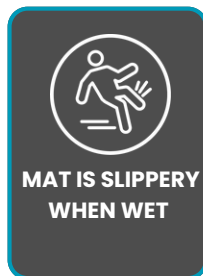
- Post warning signs and instructions to all personnel.
- Ensure no heavy items are pulled across or are left on the Dychem surface for prolonged periods of time.
- During usage, your mat may look dirty. This is GOOD and shows that your Dychem mat is working to keep contamination out of your critical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

WHEELED TRAFFIC:

- Heavy wheels should **NOT** travel across the Floating Mat surface
- Light wheels should travel in straight lines over the surface of the mat.
- **NO** stopping or sudden breaking, **NO** static twisting or turning

CARE AND MAINTENANCE:

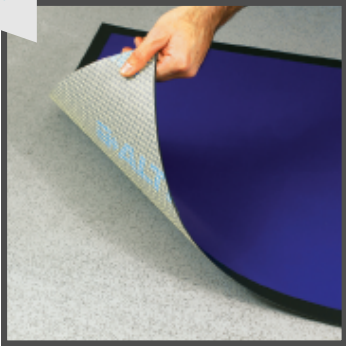
The underside of the Floating Mat and subfloor must be cleaned. See cleaning instructions and SOP. Follow these instructions in order to ensure the most effective results and longevity of your Dychem mat.



CLEANING PROCEDURE

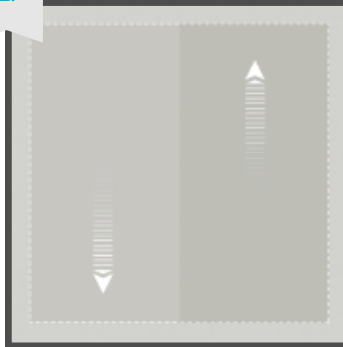
Dycem® Loose-Laid Mats

1.



For optimal performance, daily cleaning is recommended. Before cleaning a floating Dycem mat, lift the mat and remove it to reveal the subfloor.

2.



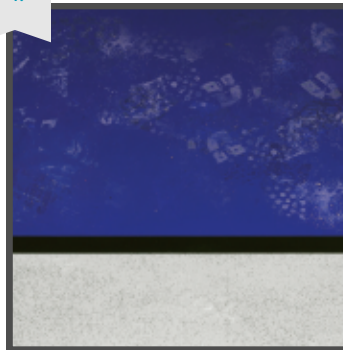
Clean the subfloor per facility protocol and remove excess liquid with a squeegee system, such as a Vikan, ensuring a dry surface.

3.



Clean the underside of the Dycem mat using an isopropyl alcohol wipe (70/30 IPA recommended) and allow to dry.

4.



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

5.



Using a squeegee system, such as a Vikan, 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.



Pull the dirty liquid to the edge of the mat surface using the squeegee. Collect with a sponge, mop, or cloth and dispose in accordance with facility mandated SOP's. For heavily saturated mats, repeat cleaning steps 1-6.

Tips & Advice

- For maximum performance, clean your Dycem mats at least once a day (or as advised by your specialist) with the following:
 - DyClean or approved cleaner
 - Spray bottle or mop
 - Squeegee system
- For approved cleaning agent list, click [HERE](#).
- DON'T FORGET to clean the underside of the mat and the subfloor.
- After cleaning, make sure to wash out any equipment per your company's Standard Operating Procedures.
- Where use of a phenolic or hydroxide is required, rinse as per the instructions to reduce a film buildup and loss of effectiveness.
- DO NOT USE concentrated bleaching agents, scoring or abrasive powders, or cleaning, buffing or polishing machines with stiff brushes - Shortened lifespan or damage to the Dycem surface may occur.

Cleaning
Tutorial
Video

STANDARD OPERATING PROCEDURE (SOP)

Cleaning Dycem® Floating 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 OR INSPEC™ N10 OR A DYCEM APPROVED CLEANER (VIEW WEBSITE FOR A FULL LIST)
- Squeegee system such as Vikan
- Microfiber mop or spray bottle
- Flat mop or microfiber cloth

CLEANING FREQUENCY:

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

CLEANING PROCEDURE:

- a. Dilute Dyclean or an approved cleaner according to the manufacturer's instructions with warm water.
- b. Clean the subfloor per facility protocol and remove excess liquid with a squeegee system, such as a Vikan, ensuring a dry surface.
- c. Clean the underside of the Dycem mat using an isopropyl alcohol wipe (70/30 IPA recommended) and allow to dry.
- d. Replace Dycem mat onto the floor. Spray or mop the cleaning solution onto the floor, ensuring full coverage of the Dycem area.
- e. Once complete, begin agitating the surface of the Dycem with the squeegee (Vikan).
- f. Begin by cleaning the full mat in a vertical direction. Then, continue to agitate the full, mat surface in a horizontal direction.
- g. Remove the excess liquid or residue from the edge of the Dycem surface. A flat mop or microfiber cloth can be used to collect and dispose of the dirty liquid. View your waste removal SOP for additional requirements.
- h. If the removed, cleaning liquid is dirty, repeat the process until clean and increase cleaning frequency.

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 Dycem customer service for potential next steps.

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, shortening the active working life of the mats.
- b. Do not use equipment that is not designated for Dycem/GMP cleaning purposes.

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.

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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.

Click these links for helpful cleaning resources:

[Approved Cleaning Agents](#)

[Printable Cleaning Record](#)

[Printable Cleaning Procedure Poster](#)

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 and a **WARRANTY CLAIM** form should be completed if covered. *See warranty statement for full coverage details and procedure.
- Training for operators using Dycem mats is imperative.

Click this link to download a printable attention sign for operators:

[Printable Attention Sign](#)

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 US

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