



De-contamination Floor Covering

Work Zone Installation
Instructions

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Contents

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Pre-Installation Checklist

A properly fitted floor covering is achieved by following the instructions carefully prior to carrying out the installation. Please remember to allow yourself sufficient time. If you have any questions, please contact Dycem. Failing to do so, could run the risk of the installation failing, together with a dissatisfied customer.

Errors may include:

- **Bubbling:**
Not allowing enough time for the adhesive or screed to dry. As a result, bubbling can occur due to the moisture being trapped. To prevent this from happening, allow a longer drying period.

Tip:

If bubbling occurs, it is sometimes possible to use a hypodermic syringe to extract the trapped air and to also inject some adhesive to secure the flooring back down to the sub-floor. If this method fails, the flooring will need to be replaced.

- **Edging Strip:**
The Dycem flooring parting from the Edging Strip along the seam. There are two main reasons for this happening.
 - 1) Because the finishing and Cold Weld methods have not been followed.
 - 2) The end-user company has mistreated the Dycem installation. In both cases, this needs to be brought to our attention.

Please remember that at the end of each installation, we require you to get the responsible person in the company to sign the Installation Satisfaction Form (P17 in this booklet).

Installation Failure: If upon inspection the procedure has not been followed, corrective action may be at your expense.

Warranty: All our products are fully warranted for 2 years subject to normal use.

Pre-Installation Checklist

Date & time of installation:

Name of installer:

Area	Description Area Name	Material & Colour	Size (metre)	Floor Screed	Adhesive System	Edging Strip Type
1						
2						
3						

Please remember ensure someone is on site to show the installer where to fit!

Checklist, Is This Applicable To YOU?:-

- Has the area been cleared of all removable items?
- Has staff been re-routed so the area is free of traffic for the duration of the installation, approx 2-3 hours each area, (then 1 hour to allow the Cold Weld Seal to set)?
- Door Heights are they okay? Clean Zone & Work Zone will increase floor levels by 4.5mm.
- Having Dycem laid through a corridor? Are there any doors? If yes have you removed them?
- Is the sub-floor smooth without any cracks and free from damp?
- Using Peel-Off's? Have you removed all traces of adhesive from the floor?
- Are the area's stated above the correct areas for installation?

Please complete and fax this document to 0117 9541194 at least 2 days before installation.

I have read the above checklist together with the conditions of installation. I understand if any of the installation details are changed after returning this document or if the installation cannot be carried out after the arrival of the fitter, additional charges may be incurred.

Signed:

Position:

Date:

Contact details on day of installation

Name:

Position:

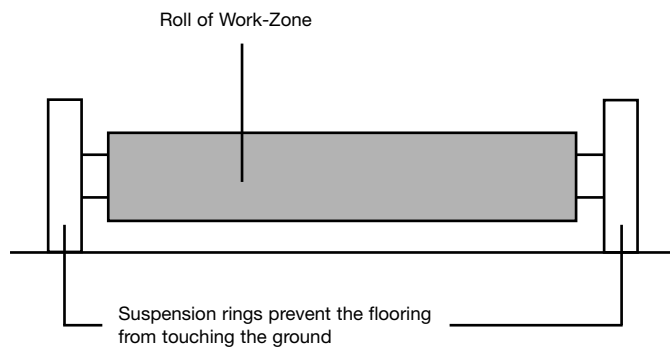
Telephone no:

If possible please fax a Map of how to get to your facility

Handling and Storage

Rolls of Dycem flooring must be stored in dry conditions and in order to prevent surface damage kept on the packaging suspension rings until ready for laying.

If storage temperature is below 14°C (57°F), the floor covering must be moved to a warmer place and allowed to reach this temperature before unrolling. Before unrolling Dycem, the room temperature must not be below 14°C (57°F) or above 27°C (72°F) and the floor temperature not below 10°C (50°F). The flooring should be unrolled with the contamination control side up. It should be left for 10 minutes, then re-rolled loosely and again unrolled to eliminate any memory in the material.



Dycem is not recommended for use in:

- Areas where forklifts are turning or driving at speed
- Where sharp objects are likely to come into contact with the surface
- Where pallets are being dragged across the surface
- In areas where ketones and acetones are likely to be spilled
- In external or constantly wet areas
- Areas where wet cleaning is not done regularly.

Finishing Choice

Once installed, Dycem flooring is a totally sealed system. Moisture cannot get underneath and all seams are chemically welded making the floor covering easy for carts and all traffic to negotiate.

Before commencing the installation, the finishing details should be agreed. The various methods of finishing are listed below and consideration should be given to the choice of finish with regard to the area in which Dycem flooring is being installed e.g. level of traffic, type of sub-floor moisture presence.



Standard Recommended Finish:

The most effective Dycem installations are simple rectangular systems large enough to remain effective between cleaning as shown in the photo.



Edging Strip should be fitted around the entire installation.



Inlaid Installation:

In situations where there is no sub-floor, Dycem flooring can be installed onto a screed and the normal floor can then be installed around it. This can be hot/cold welded to make a totally sealed system

Finishing Choice

Coving

Coving can be used, there are two types:



Sit-on Cove:

Where the sit-on cove is used, the flooring must be fitted and adhered tight to the wall. A silicon seal must be applied to the edge of the flooring. The sit-on cove is then adhered to the wall surface to sit on the Dycem flooring.

The finish is not recommended in areas that are subjected to excessive spillages of water. Use 2-way contact adhesive to adhere sit-on-cove to all walls. Sit-on cove is 100mm in height with a base depth of 15mm.



Set-in Cove:

Set-in cove should be fitted and adhered at the junction of the wall and floor before the main floor covering is installed. As an added precaution, adjacent sections and mitres within the skirting can be sealed. Dycem flooring should then be fitted to the base of the cove, cut in and cold welded. The set-in cove should be adhered using 2-way contact adhesive and double sided tape.



Edging

Standard Edging Strip is included with all flooring orders, however areas subject to heavy traffic may require a heavy duty metal Edging Strip for added strength. This should be used where traffic is entering/exiting.

Equipment



- Dycem Work Zone De-contamination Control Floor Covering
- F45 Adhesive
- 78mm Pressure Sensitive Double Sided Tape – For Fitting Edging Strip
- Dycem Edging Strip
- Coving (if required)
- Cold Weld/Seam Sealer (W Muller, Mannington)
- Steel Straight Edge
- Stanley Knife (or equivalent) with new spare blades
- Pencil/Marker Pen
- Ruler/Tape Measure
- Soft Brush
- Cloth & Water
- Roller

Preparation/Cutting to Size

Step 1.0 : Preparation/Cutting to Size

First ensure the sub-floor is in good condition, level, dry, sound, and free of any dirt, dust, wax, grease, or other surface finishes.



Step 1.1

Clean the sub floor prior to installation



Step 1.2

Finalise the size of the installation and cut the material to size. Roll out the material and mark the installation area with a pencil or marker pen

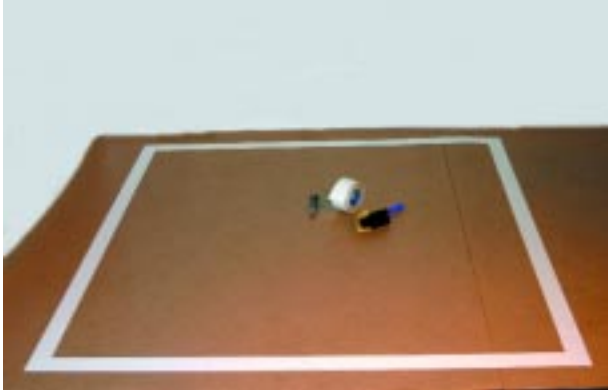


Step 1.3

Re-roll the material after marking the sub floor

TIP: Keep roll straight at edges

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Preparation/Cutting to Size
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Step 1.4

Lay the Edging Tape around the marked out area, allowing 33mm of the tape to go outside of the marked area, and the remaining 45mm to go within the marked line. Do not remove backing paper at this stage.

Laying Dycem Flooring

Step 2.0 : Laying Dycem Flooring



Step 2.1

Sweep the area again, then spread F45 adhesive over half of the area to be covered. When installing a large area, do not spread more adhesive than can be worked within the open time as per manufacturers recommendations.



Step 2.2

The adhesive has been spread to cover half of the area within the Edging Tape.



Step 2.3

Roll material onto the adhesive to ensure adhesive transfers onto the Dycem material.

Laying Dycem Flooring

Having rolled half of the Dycem material onto the adhesive. Allow full transfer to both surfaces by pulling back the material to allow adhesive to cure as per manufacturers recommendations. When the adhesive is cured on both surfaces to a pasty texture, lift and place the Dycem material on top of the adhesive. Smooth out any air bubbles to the sides using a clean damp cloth or a roller.



Step 2.4
Adhesive Transfer



Step 2.5
Lift and place material onto the cured adhesive, do not allow material to crease.



Step 2.6
Smooth out air bubbles to the sides.

Repeat the above procedure to adhere the other half of the material to the sub-floor.

Preparation for Finishing

Step 3.0 Preparation for Finishing

Trim the Dycem around the edge leaving 33mm of Edging Tape showing; remove the backing paper from the tape pushing the Dycem onto it as you go. Once you have completed this go around again with more tape over top of the exposed tape and 45 mm over the edge of the Dycem. Then remove the backing paper (leaving paper on all corners until the mitres are cut)



Step 3.1
Trim back Dycem material
by 33mm



Step 3.2
Remove backing paper from
Edging Tape and secure all edges
of the material



Step 3.3
Applying second layer of Edging
Tape on top of material

Laying/Cutting Edging Strip

Step 4.0 Laying/Cutting Edging Strip



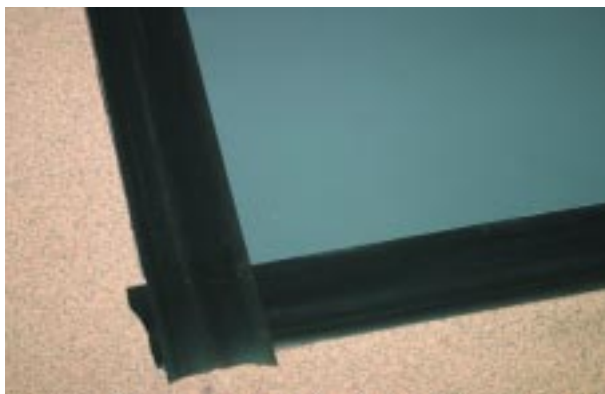
Step 4.1

The Edging Strip should be laid on top of the edging tape. The 33mm edge is slightly thicker and should butt up to the Dycem flooring. The 45mm edge should taper over the Dycem floor.



Step 4.2

Mitre all corners remove the backing paper from the tape and push the corners down onto the adhesive



Step 4.3

Lay the Edging Strip crossing over the two ends ready to mitre

Fitting Metal Edging Strip

Each piece of metal edging strip supplied by Dycem is 2 metre in length x 78mm wide pre drilled with 6mm countersunk holes 100mm apart.

- Firstly ensure customer will let you drill holes into their floor.
- Ensure no Pipes, Cables, or door sensors etc are in floor to be drilled.
- If metal edging is used all round, corners should be mitred.
- Mitres should be cut before securing each piece of metal to the floor
- Fit Work Zone as normal to the outside edge of the Firmoflex ensuring there is enough space left to fit the metal edging.
- It is always best to vacuum the holes as you drill them to prevent dust going everywhere.
- Put metal edging to the edge of the of the W/Z ensuring the lip on the underside is tight against the material, drill the first hole (5.5mm) through one of the pre drilled holes at each of the metal into the sub floor, remove metal edging drill the 2 the locating holes to a size of 7mm to take Brown securing plugs, insert plugs into the holes drilled put metal edging back in place and secure to floor at each end.
- Drill the remaining locating holes (5.5mm) then remove metal edge from floor and drill the holes out to 7mm and insert securing plugs.
- Mark out where the edging will fit to on the sub floor, fit Firmoflex tape overlapping edge of W/Z as per normal edging then fit metal into place and screw to the floor.
- If PVC edging is used on the sides cut it to the end of the W/Z and secure it under the metal edging.



Seams

Step 5.0 Seams

Any joins and seams in the flooring including the seam between the flooring and the Edging Strip, must be sealed. There are 2 recommended sealing methods:

Cold Welding:

Place the needle of the cold weld tube to the join between the Dycem and the Edging Strip, and move smoothly along the join allowing the fluid to penetrate and wet the join to a width of approximately 2.00mm. Squeeze the tube evenly from the bottom, if any sections are missed, do not stop finish the weld then re-apply Cold Weld to un-welded areas. Weld all mitre's by inserting the needle into the join of the edging strip. Cold Weld each join/seam at least twice. Do not spill any weld onto the edging strip or the Dycem, as this will melt the surface. Allow at least 30mins before welded joins are walked on.

Hot Welding:

Hot welding must be carried out by an approved Dycem installer. Please contact us for details.



Step 5.1

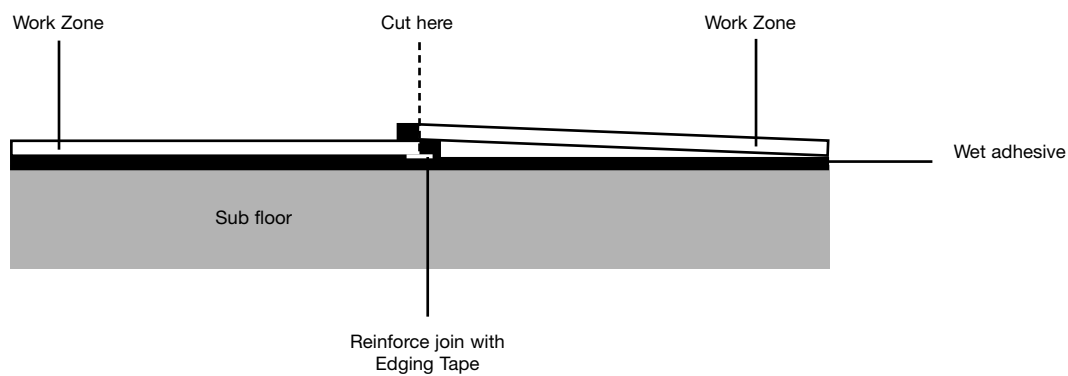


Step 5.2

Joining the Material

Step 6.0 Joining the material

If the area is more than 2m wide, a join may be needed.
Please follow the instructions below.



When joining Dycem you should always use Edging Tape (apply this tape before the adhesive) as this will give a stronger bond. The two pieces of Dycem must overlap, cut through the two using a sharp knife and straight edge (as shown above) remove the cut pieces (shown in Black) to allow the Dycem to lie flat on the floor.

Remove the backing paper from the Edging Tape and push the Dycem onto the adhesive tape. Weld the join by following the same procedure shown in step 6.0

Replacement Installation

Step 7.0 Replacement Installation

The sub-floor must be prepared for the new installation.



Step 7.1

The old Dycem installation should be removed by cutting it into 200mm (9") strips.



Pull the strips gently and horizontally from the floor.



A trowel or flat bedded spatula will aid the lifting and removal of stubborn areas.

Replacement Installation

Replace first paragraph with - If you find the previous installation has been installed using a wet adhesive, you can:

Tip 1: Wash with water and an alkaline detergent

Dissolve alkaline detergent crystals in very hot, but not boiling water. Mop the adhesive residues generously with the detergent and leave for five minutes. Scrub the area, preferably with a rotary scrubbing/polishing machine. Remove the adhesive/detergent slurry. Thoroughly rinse the area with clean water to remove all traces of detergents and adhesive. Leave the area dry.

Note: Wet suction vacuum equipment is recommended on absorbent sub-floors to avoid saturating the sub-floor and thus impeding the new installation.

Tip 2: Wash with a Solvent (using relevant health and safety equipment) having sought the advanced approval of the end-user

Use a strong Ketone-based solvent e.g Methyl Ethyl Ketone (MEK). Apply the solvent liberally to the adhesive residue and leave for one minute. Scrape away the softened residues with a spatula. Wipe the sub-floor clean with a dry cloth. Allow the surface to dry before starting the new installation.

Note: Solvents are flammable. If using this method the area must be well-ventilated and free from naked flames or smoke.

Tip 3: Cover the adhesive residues with a screed

Use a good quality latex screed e.g. Stop Gap blue bag powder and latex (F.Ball & Co) Prepare the screed mixture according to the manufacturer's instructions. Apply the screed thickly enough to cover all the adhesive residues (approximately 3mm). Allow to dry before starting the new installation. This is very important as bubbling may occur when moisture tries to escape.

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Installation Satisfaction

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Date:

I _____ of _____ am satisfied that

- The installation/s of Dycem Work Zone has/have been installed and I am happy with the workmanship.
- I/we have had a cleaning demonstration and have been shown how to use the cleaning equipment.
- We have received the cleaning instructions.
- All areas worked in have been left in a clean and tidy condition.

Comments:

Signed:

Abbott Laboratories · IBM · Glaxo Smithkline (Ware) · GEC Plessey · Hughes Aircraft · AT & T · Fisons · ITT · Ethicon · Pfizer · Hoffman La Roche · 3M · Amersham · Digital · Ericsson · Boots · Cyanam · Harris Semiconductor · Boehringer · Hewlett Packard · Hoeschst · GC Marconi · Mitsubishi · National Semiconductor · NEC · Olivetti · Philips · Biotec International · Kodak · Cilag · Union Carbide · Seagate Technology · Siemens · Sony · Bausch & Lomb · Texas Instruments · Tornau · Toshiba · AGFA Gaevert · Schering Plough · Pilkington · Zeiss · Alcatel · Anchor Products · BAE Systems · Baxter Healthcare Fujitsu · Speciality Records · Ciba · Leica · Dupont · Max Plank Institut · Janssen Pharmaceutica · Hana Semiconductor · Advance Micro Devices · Kabi Pharmacia · Aselsan · Merck Sharp & Dohme · Hitachi Semiconductor · Intel · Nycomed · Honeywell · Sandoz · Komag · Sanofi · Landis & GYR · Warner Lambert · Mitel Semiconductor · Siliconix · Motorola · Fokker Aircraft · Nimbus Records · Howmedica · Donnelly Yantai Corporation · Waterman · Becton Dickinson · Biomerieux · GEC Avionics · Kobe Precision · Fuji Film · Bioresearch · Rockwell · Intermedics · Vistakon · Balzers · Duphar · Elanco · Mallinckrodt Laboratories · Menarini · Novo Nordisk · UCB · Caran D'arche · Raufoss · Samsung · SGS Thomson Microelectronic · Lilly · Westdeutsche Quarzschmelze · LEK Pharmaceutical · Anshan Sante Electronics · Riber · Genentech · Zeneca · CNET · Polfa Pharmaceuticals · University of Vienna · Pliva Pharmaceutical · Akzo-Nobel · IMEC · Rexham · Ohme · Tarbiot Rahan · Dow Corning · Allied Signal Aerospace · Lockheed Sanders · American Medical · Gould AMI · Polaroid · Akashic Memories · Tower Semiconductor · Submicron Systems · Semtech · Infusaid · Medtronic · LSI Logic · Accupharma · Raytheon · ICI · Wilson Cook Medical · Carplastics (Ford) · General Dynamics · Lockheed Martin Group · Lawrence Livermore · Ampex · Mekttec Manufacturing · Boeing Aerospace · British Biotechnology · Astrium · STC Submarine · Canon Europa · Atomic Energy Healthcare · Planar · Proctor & Gamble · Racal · China Huajing Electronic · Dumex Indonesia · Kalbe Farma · AMC · Tunggal Idaman · Wacker · Chartered Semiconductors · Fraunhofer Institut · Nestlé · Johnson & Johnson Orthopaedic · Daimler Benz · Division · Blood Transfusion · Sigma · Automated Technology · Epson · Jordanian Pharmaceutical · Hexawave · LG Electronica · Micropolis · LVP Philippines · NCR · Unisys · Boston Scientific · Agilent Technology · Carl Zeiss · Zentek · Bayer AG · Burgopack · Interphil Laboratories · Pacific · Travenol · Wyeth · AEG · Merck · Vikram Sarabhai Space Centre · Oxford University · Indian Space Research Organisation · Sterlite (Nokia) Communication · Sunkyong · National Space Laboratory · Interatom · British Telecom · Coulter Immunology · Heinz · Leo Laboratories · Antib · Europharma · Crinos Industria · Heumann Pharma · Rolls Royce · Roxanne · Angiomed · Applied Material Technologies · Mikroparts · Weleda · Medispo · Quest Medical · Thai Kawasumi · Hymec Hybrid Circuits · MEC · Mettler Toledo · Signetics · Teledyne · Aerospace Composite Technology · University of Queensland · Farmitalia Carlo Erba · Rico · Quintiles · Mcfarlane Smith · Hyundai · Temic Semiconductor · Tamiko Instruments · Sterimedix Ltd · Staar AG · ST Microelectronics · ABB · AEA Technologies · AMD · Volpi AG · Thermal Transfer ·



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