



Manufacturers & Stockist Distributors of:

Commercial & Industrial Safety Floorings,
Entrance Matting Systems & Specialist Mats
& Floorcoverings

**Jaymart Flooring Installation Guidelines
Pacemaker Indoor Installation**

A. Subfloor Preparation

The objective of subfloor preparation is to create a surface which is dry, rigid, smooth, level, dimensionally stable and which provides a suitable finish to maximise adhesion.

In order to achieve a satisfactory installation of Pacemaker flooring, it is essential that the subfloor is correctly finished in accordance with British Standard code of practice BS8203/1987 and subsequent and future amendments. In particular:-

1. Old floor coverings, paint and adhesives should be removed.
2. Concrete subfloors must be dry. ie.: relative humidity should not exceed 75% when measured with an Edney Hygrometer.
3. Propriety flooring screed should be used in accordance with the manufacture's instructions. Jaymart recommends the use of suitable Ardex UK Ltd. screeding compounds. (telephone 01440 63939).
4. Subfloors which are direct to earth should be protected by a damp proof membrane. If in doubt over whether such a membrane has previously been installed, Tretobond ES3000, or similar surface applied damp proof membrane should be used in accordance with the manufacturer's instructions.
5. The surface of the sub floor should be smooth, level, clean, dry, and free of all defects.
6. Suspended timber board floors and chipboard floors should be made sound, and for maximum rigidity, 6mm flooring grade plywood nailed down with ring shank nails or equivalent fixings at 4" intervals around the edge of each sheet, and at 6" intervals throughout the rest of the sheet. The nail heads must not protrude above the surface of the plywood.

In domestic and light contract installations, hardboard or plywood of less than 6mm thickness is often used successfully in place of 6mm plywood. Installers should satisfy themselves that such an underlay will be adequate for the intended usage before proceeding, as Jaymart cannot accept any responsibility for subsequent failure of floors installed on such substrates.

7. It is not recommended to install Pacemaker floorcoverings on woodblock floors.
8. Metal subfloors should be rigid, bare and abraded. Installers wishing to install Pacemaker flooring on coated metal surfaces should confirm with the coating manufacturer it's suitability as an underlay, bearing in mind the adhesive to be used.



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B. Adhesive Selection

Jaymart supply four types of adhesive suitable for installing the Pacemaker range. The correct selection of adhesive depends upon the conditions to which the floor will be subjected, following installation, and also the type of tile being installed.

“Jaystick” double stick adhesive is suitable for use in areas which will not be subjected to surface water. It is suitable for use on both vertical and horizontal surfaces.

“PU2000” epoxy adhesive is suitable for areas which may be subjected to some surface water after installation, and where excessively heavy traffic will occur, e.g.: fork lift truck traffic, dumbbell weightlifting etc. PU2000 is suitable for use on horizontal surfaces only, and should not be used with tiles of 3.5mm thickness or less. PU2000 must be used peduncle backed tiles.

“1635” Adhesive is suitable for use in areas subjected to surface water, and can be used on both vertical and horizontal installations. It is particularly recommended for use when an installation includes stair risers and skirtings, in “wet” areas.

“Treadfast 108” is a high performance adhesive for most rubber floor coverings. It is suitable for use in dry areas. It is only suitable for use on horizontal surfaces.

C. Installation

The surface temperature of the screed and the flooring materials to be laid should reach 18oC (64oF) for 24 hours prior and following installation. Where applicable, underfloor heating should be turned off 48 hours before and after installation.

In very cold weather it is recommended that boxes and/or other wrappings should be opened and the following materials spread out in the heated area in which they are to be installed, in order for them to achieve the correct working temperature.

Upon receipt and before proceeding with cutting or installing any materials, deliveries should be checked to ensure the correct materials have been received in good condition. Colour shade batching should also be checked. Please note, however, it is impossible to supply different items in the same colour shade batch.

If the Pacemaker is to be loose laid, simply apply to the floor area and let the material lie for 2/3 hours before cutting and fitting (fluctuating temperatures can cause shrinkage or expansion).

Important: The back of the Pacemaker must be pre-wiped with a proprietary solvent cleaner prior to application of adhesive to remove the manufacturing release agents.



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D. Adhesive Use

Before using any of the adhesives described below, Users should familiarise themselves with the relevant "Health and Safety" data sheets, available on request. In particular "Jaystick" should be used in well ventilated areas, and away from naked flames. Smoking should not be permitted.

The various recommended adhesives for the Pacemaker (see section B, above) are applied in different ways.

1. "Jaystick" contact adhesive is supplied in cans, ready to use. It should be evenly applied with a V notched trowel (1mm x 4mm) to both the floor surface and the reverse of the Pacemaker to be installed.

Jaystick contains solvents which are present to allow it to be spread. After application and before fixing the item in position, the solvents must be allowed to evaporate. This process may take up to 40 minutes, or even longer in certain conditions. It is possible to determine when the solvents have evaporated as the adhesive will feel dry to the touch. Failure to allow this evaporation process to occur will result in "bubbling" of the floor covering.

Special care should be taken when installing one piece stair sections. The solvent in the adhesive applied to the stair riser tends to evaporate at a slower rate than those on the tread. Installers should then apply the touch test to both tread and riser. Once the adhesive has become touch-dry, the item to be installed should be "curled" precisely into position. Particular care should be taken to ensure to align tile corners and edges with previously installed tiles.

It is essential to "get it right the first time" as the adhesive "grabs" the item, and subsequent removal for repositioning may result in distortion of the product.

After positioning the sheets on the adhesive it should be pressed down all over to ensure total contact between the sheets, adhesive and substrate. It should then be rolled, in both directions with a 68kg flooring roller in order to expel any trapped air bubbles, and further ensure total contact of the bond.

Pedestrian traffic should be excluded from the newly installed area for 24 hours in order to allow the adhesive to fully cure. A "Health and Safety" data sheet is available on request.

2. "PU2000" epoxy adhesive is supplied in boxes containing three cans. Before the adhesive can be used, the contents of the two larger cans should be thoroughly mixed together. The largest can contains sufficient empty space to accept the contents of the smaller can.

The mixed adhesive should be applied within two hours of mixing, to the floor only, using a 15mm V-notched trowel with the standard pre-abraded smooth backed tiles. A 2mm x 6mm notched trowel should be used with peduncle backed tiles. The tiles should be laid into the wet adhesive, pressed down to ensure total contact, and rolled with a 68kg flooring roller to exclude air.



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Care should be taken to ensure that the sheets remain in contact with the wet adhesive during the curing process. Failure to do this may result in an unsatisfactory bond, and subsequent deterioration in the finished floor. Normally the sheets are sufficiently heavy and flexible to avoid the need for weighing them down to maintain contact, but in some circumstances eg. where the floor is not level in order to facilitate drainage, it is advisable to weight the tiles down with sandbags or similar.

Excess adhesive may squeeze up between the tiles. The smallest, third can in the box contains cleaner. Applied on a clean cloth or wiper, the cleaner will remove the excess adhesive whilst it is still wet. Under no circumstances should the excess adhesive be allowed to dry on the upper surface of the tiles. The cleaner should also be used to clean the adhesive application tools.

The curing process, mentioned above, usually takes about 48 hours. It is essential that traffic is prevented from traversing the finished floor this period. Failure to do this may disturb the chemical hardening process as it takes place, and then result is an unsatisfactory bond. A "Health and Safety" data sheet is available on request.

3. "1635" adhesive is a two part, water resistant, contact adhesive. Before use the two parts should be thoroughly mixed. It is suitable for use with smooth backed products only (ie. not peduncle baked tiles).

An even coating with a flat spreader should be applied to the reverse of the Pacemaker item, and applied to the subfloor with a 1mm x 4mm notched trowel. For maximum water resistance, ensure that there is adequate adhesive on the tile edge and on the corresponding area of the subfloor.

The solvents present in the adhesive should be allowed to evaporate for 5 to 15 minutes approximately, until the adhesive is touch dry. The item should then be curled into position, taking care to align it properly and place it correctly the first time. The item should then be pressed firmly to ensure overall contact, and rolled in both directions with a 68kg flooring roller.

4. "Treadfast 108" is a pressure sensitive adhesive for vinyl floor and wall coverings. The adhesive must be thoroughly stirred before use.

The adhesive should be spread evenly using a notched trowel (1.5mm x 5mm). It should be immediately rolled with a long handled paint roller which has been wetted with the adhesive. The trowel serration marks should be smoothed out to give a uniform smooth appearance and the adhesive should be allowed to dry until it takes on a clear appearance. On smooth even subfloors the adhesive can be applied direct with a paint roller if a uniform coating can be achieved. The flooring should be placed accurately in position and rolled in both directions with a 68kg flooring roller.

For Porous Substrates the adhesive should be spread with a 1.5mm x 5mm notched trowel and the flooring laid into semi wet adhesive.



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E. Finishing off the job

Finally, the floor should be fully cleaned. Jaymart recommend the use of Nova products, available from "British Nova Works" (telephone 01295 254030). These products should be applied in accordance with a separate data sheet, "Jaymart Rubber Flooring-Cleaning and Care", available upon request.