



**Manufacturers & Stockist Distributors of:**

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

## **Jaymart Flooring Installation Guidelines** **Kinetics 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 Kinetics flooring, it is essential that the subfloor is correctly finished in accordance with British Standards CP102, BS8203, BS5325 and subsequent and future amendments. In particular:-

1. Old floor coverings, paint and adhesives should be removed.
  2. Concrete subfloors must be dry, i.e.: 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 Kinetics floorcoverings on woodblock floors.
  8. Metal subfloors should be rigid, bare and abraded. Installers wishing to install Kinetics 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.

**IMPORTANT:** The back of the tile must be pre-wiped with a solvent cleaner (or other proprietary cleaner) before application of the adhesive.

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### **Safety Flooring & Matting Systems**

**Entrance Matting Systems**  
(Aluminium, Coir, Rubber Polypropylene, Nylon, etc.) & Matwell Frames.

**Rubber Flooring Systems**  
(Round Studded, Square Studded, Ribbed, Slate, Chequered, Hammer, Terrazzo, Smooth etc.)

### **Safety Stair Treads & Nosings**

### **Sports Floorings**

**Specialist Floorings & Mattings**  
(Golf Spike Resistant, Ice Skate Resistant, Oil & Grease Resistant, Low Smoke Emission/Fire Resistant, Cigarette Burn Resistant, Anti-Static, etc.)

**Interlocking Loose Lay Flooring Tiles & Mattings**  
**Duckboard Safety Mattings**  
(Vinyl, Rubber, etc.) for wet areas.

### **Artificial Grass Carpeting** Indoor/Outdoor.

**Natural Fibre Carpeting**  
(Coir, Seagrass, Sisal etc.)

### **Recycled Environmentally Friendly Floorcoverings**

**Lettered/Logo Mats**  
**Chair Mats for Office Carpet Protection.**  
**Foyer/Hallway/Entrance Carpeting**  
**Carpet & Flooring Protection Systems.**

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Marble Arch House,  
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London W1H 5AF  
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### B. Adhesive Selection

Jaymart supply four types of adhesive suitable for installing the Kinetics 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.

“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.

“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.

“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.

### C. Product Selection

The Kinetics product range incorporates apparently similar items. Customers and specifiers should refer to the Kinetics catalogue to ensure that they choose a suitable selection of items for the job concerned. Jaymart Area Sales Managers and Sales office Staff are pleased to assist with the choice.

### D. Installation

The surface temperature of the screed and the flooring materials to be laid should reach 18°C (64°F) 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.

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When installing floor tiles, it is normal to begin installing in the centre of the floor, working outwards to the walls. This ensures an even border of cut-in tiles around the edge of the room. The centre of the floor is at the point where lines drawn from opposite corners intersect. Tiles are most usually installed "criss-cross" fashion, though in some instances a "brick-bond" installation may be preferred. Brick-bond is particularly useful for large floor areas where there may be an increased risk of tiles running out of alignment during fitting. The tiles can be "cut-in" at the edge of the room using a sharp cutting knife. Obstructions protruding from the walls should be templated and marked out on the tile prior to cutting. Unevenness in the wall can be marked out on the tiles using a "marking back" rod prior to cutting.:- the marking on the tile will correspond to the fluctuations in the wall against which the tile has to fit. In order to ensure consistent spacing between studs, hand cut tile edges should not be installed adjacent to other tiles.

### Steps for Laying Tiles



Prepare a smooth surface



Lay out the tiles dry



Turn tiles over



Spread the adhesive



Adhere the tiles



Press firmly and roll

### E. 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 Kinetics (see section B, above) are applied in different ways.

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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 Kinetics 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.

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 tile on the adhesive it should be pressed down all over to ensure total contact between the tile, 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. "Treadfast 108" is a pressure sensitive adhesive for rubber floor 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. 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 in the semi wet adhesive and rolled in both directions with a 68kg flooring roller.

Porous Substrates must be primed with Treadfast 108 adhesive 1:1 with clean water, applied by paint roller and allowed to dry.

3. "1635" adhesive is a two part, water resistant, contact adhesive. Before use the two parts should be thoroughly mixed.

An even coating with a flat spreader should be applied to the reverse of the Kinetics 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.

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4. "PU2000" adhesive is a two part adhesive. 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 1.5mm x 5mm V-notched trowel with the standard pre-abraded smooth 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.

Care should be taken to ensure that the tiles 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 tiles 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.

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 in an unsatisfactory bond. A "Health and Safety" data sheet is available on request.

#### **F. 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.

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