



Kinetics Rubber Flooring

Installation Instructions

General Guidelines

Kenbrock Kinetics Rubber Flooring (hereafter referred to as “Kinetics”) should only be installed for interiors and in temperatures between 15° and 30°C.

- 1 Kinetics is to be acclimatised in the installation area within the recommended temperature range 48 hours prior to installation
- 2 The finished Kinetics installation should be protected from exposure to direct sunlight for 48 hours during & after installation with the ambient temperature maintained for at least 24 hours.

Subfloor Information

Roughness or unevenness of the subfloor will transmit through to the new floor, resulting in an unsightly floor surface and cause excessive wear on high spots or indentation on low spots.

All subfloor and underlayment patching must be done with a non shrinking, water resistant cement patching compound.

Suitable subfloors are: concrete, plywood, hardboard, & cement sheeting all which must comply with AS1884-2012.

General Subfloor Requirements

Installation should be carried out on a flat, clean, dry and solid subfloor free from cracks and holes.

A level subfloor is defined as:

- 1 Smoothness: when a straightedge 150mm long is placed at any position at rest at two points on the surface, a gap shall be no greater than 1.0mm below the straightedge.
- 2 Planeness: when a straightedge 2000mm long is placed at rest at two points 2000mm apart on the surface, no part of the surface shall be more than 4mm below the straightedge.
- 3 Soundness: the surface shall be without cracks, crazing, dust, rain damage, spalling, efflorescence or blistering

New & existing Concrete Subfloor Preparation

- 1 The areas should be carefully prepared and free from any dirt, cement laitance, cleaning products, or any other foreign material.
- 2 Screed may need to be applied as follows:
- 3 Cracks to be filled before applying a coating of screed.
- 4 Construction joints should be treated the same as cracks.
- 5 Apply a coating of a self levelling screed if the subfloor is not level as defined above.
- 6 New concrete subfloors must be dry and fully cured before apply a screed. In this regard follow the instructions provided by the screed manufacturer.
- 7 A moisture test must be carried out as set out in Appendix A of AS1884-2012 noting that when measurements taken at 40% depth of the substrate do not exceed 75% relative humidity.



- 8 A pH test must be carried out as set out in Appendix B of AS1884-2012 noting that pH values cannot exceed 10.

Underlay & Underlayment

- 1 Kinetics can also be installed over Standard hardboard underlay of Type RD complying with AS/NZ 1859.4, Plywood underlay of Grade C complying with AS/NZ2269.0, & Fibre cement sheet underlay complying with AS/NZ 2908.2
- 2 In wet areas neither Plywood nor Hardboard are suitable. In these areas use fibre cement sheeting.
- 3 Hardboard underlay must be installed in accordance with AS1884-2012 which in part states that a timber construction adhesive be used as recommended by the hardboard manufacturer.
- 4 Both Plywood & Cement Sheeting underlays shall be affixed in accordance with AS1884-2012.

CONDITIONING OF KINETICS TILES

On Site Storage

Before installation the Kinetics Tiles shall be allowed to condition within or near the installation area for a period not less than 24 hours at an ambient temperature range of between 15°C to 28°C noting the installation temperature should also conform to this temperature band.

In areas that do not have temperature control methods in place and the ambient temperature is below 15°C heating devices such as electric heat blowers shall be used. LPG gas blowers are not suitable due to the humidity they produce.

Air Conditioned Areas

Where air conditioning is installed, no underlay or Kinetics Tiles shall be laid on the subfloor until the air conditioning has been in operation at the normal expected operating temperature (usually 22°C) for at least 7 days. This temperature will be maintained during installation and for 48 hours thereafter.

Underfloor Heating

Turn the heat on to a standard temperature for not less than 7 days prior to laying to ensure the moisture condition of the heated subfloor will permit successful adhesion.

Then turn the heating off 48 hours prior to installation to allow the subfloor to return to the temperature band indicated above.

After the adhesive has reached full bond strength (usually 24-48 hours) reintroduce the heating gradually, no more than 2°C per day, until the normal temperature is achieved. Temperature should thereafter not exceed 28°C

INSTALLATION

Inspection

Check the consignment of Kinetics tiles for colour and batch uniformity. Also check dimensional accuracy. Complaints of defects or replacement of material is only possible for product which has not been installed. Any additional costs incurred will not be reimbursed by Kenbrock.

Dry Lay

It is strongly recommended to dry lay Kinetics tiles over the entire area to be covered and cut the border tiles, door openings, pipe holes etc before fixing.



Directional Arrows

For the M1 & DIY ranges directional arrows will be found on the underside of the tiles. It is essential these directional arrows be followed. Failure to do so will invalidate the warranty.

Adhesive

Use only a 2 part Polyurethane or 2 part Epoxy adhesive.

To ensure full compliance with the Kenbrock Warranty use only RLA Polymer 1718 which is the only adhesive fully tested and authorised for use with Kinetics Rubber Flooring.

It is an environmentally sound VOC compliant 2 part epoxy.

Please be aware that even though this is a two part epoxy it is not a substitute for correct damp proofing and will not resist hydrostatic pressure.

After mixing the adhesive empty the container onto the subfloor to maximise open time.

Spread using a trowel having 1.6mm notches (V1). Do not use badly worn trowels.

The material should be laid into the wet film of adhesive. As the adhesive does not have any initial tack should any part of the tile not tending to lay flat then ensure it does so by applying weights until at least a partial cure has been reached.

POST INSTALLATION

Rolling

Immediately after laying, roll the Kinetics Tiles with a 68Kg roller lengthwise and crosswise in order to remove trapped air and ensure an even distribution. Repeat the process after 1-2 hours at which time the adhesive will have developed legs.

Completion

Surplus adhesive including surface deposits must be removed immediately.

All exposed edges of rubber shall be protected by means of diminishing strips or other suitable mouldings.

There is not to be any foot traffic for 12 hours or heavy foot traffic for 24 hours. Heavy equipment shall be kept off the installation for 72 hours.

Do not wash the floor or apply a sealer for 48 hours after installation.

It is crucial that for 48 hours following installation the area shall be shielded from direct sunlight and that the ambient temperature prior to and during installation be maintained for at least 24 hours and a general ambient temperature be maintained for a further 24 hours thereafter.

It may be noted that curing time is temperature dependant. But as a general rule the initial bond sets up within 12 hours with full cure reached in 7 days. Over this 7 day period the bond gradually increases in strength.

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