

CUSHIONSTONE

Installation and Maintenance Guide

CUSHIONSTONE

Cushionstone tiles are suitable for indoor residential use and light commercial installations. The tile size is 500mm x 500mm with a total thickness of 5.0mm and 0.55mm wear layer.

IMPORTANT

- Read all instructions before proceeding.
- This flooring is only suitable for indoor use.
- Check for any visual defects or damage before and during installation and return any damaged product to the place of purchase. Kenbrock will not be responsible for material installed with obvious defects.
- Subfloors must be clean, smooth, flat, and dry.
- Installation temperature should be between 15 to 28°C, ideally at room temperature of 22°C. The flooring should be maintained in this temperature range thereafter.
- Protect your floor from excessive direct heat and temperature variation. Avoid direct sunlight using curtains, blinds and temperature controls.
- If the product is laid from different batches, it is essential these batches be well blended to ensure a uniform visual.

SITE CONDITIONS

For best results assess the site and building conditions carefully. Installation must comply with Australian Standard AS1884-2021 for Floor coverings - Resilient sheet and planks - Installation practices.

The ambient temperature must be between 15 and 28°C. This temperature range must be maintained 24 hours before, during and at least 24 hours after the installation is complete. The boxes of planks must be stored flat in these conditions for at least 24 hours prior to installation. The planks must not be bonded if the temperature of the subfloor is less than 10°C.

SUBFLOOR INFORMATION

Installation on Heated Slabs

This flooring can be installed on heated slabs provided the following precautions are taken:

- The heating must be switched on for at least 48 hours and then turned off again for at least 48 hours prior to installation. This is to remove any residual moisture created when the heating system was installed.
- The heating should remain off during installation and for at least 72 hours after completion.
- The heating should be turned on again and increased at the maximum of 2 degrees per day from ambient temperature to a maximum of 28°C.
- At no time should the maximum of 28°C be exceeded.

General Subfloor Requirements

All subfloors must adhere to AS 1884-2021 standards for resilient floorcoverings which state that a floor must be flat, clean, dry, solid and free from cracks and holes.

A level subfloor is defined as:

- 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.
- Smoothness - When a straightedge, 150mm long, is placed at any position at

rest at two points of the surface, no part of the surface shall be more than 1mm below the straightedge.

- Soundness - The surface shall be without cracks, crazing, dusting, rain damage, spalling, efflorescence or blistering.

Concrete Subfloors

Concrete should be constructed using good building practices and have an intact vapour barrier. Concrete should be flat and level to a minimum deviation of 4mm over a 2m length at any point. If repair is required, use a suitable levelling compound. Any holes or deviations should be filled with a suitable patching compound. Any lumps or old adhesives should be removed. Concrete should be dry to a minimum of 75% using an in-situ moisture test ASTM F2170, as specified in Australian Standard 1884-2021. If the dampness exceeds 75%, a waterproof system is suggested before installation begins.

Timber Subfloors

Timber subfloors should be overlaid with hardboard or MDF as per the Australian Standard AS1884-2021. Prior to this the wood subfloor should be solid and flat with no nails protruding. Cupped or warped boards should be sanded flat. Wood floor should be flat and level to a deviation of no greater than 4mm in a length of 2m at any point.

Existing Floor Coverings

This flooring should not be installed over existing vinyl, rubber, linoleum, textile flooring, including carpet and any type of old underlay must be removed. Existing solid floors including ceramic planks and terrazzo can be installed over, provided an appropriate levelling compound is used.

ADHESIVES

Kenbrock recommends the use of its hard-set acrylic adhesive, Evagrip or Hardgrip HT. Alternatives to Kenbrock's Evagrip hard-set adhesive include Mapei V4 Evolution, Mapei Eco 4 LVT, Uzin KE66, Nexus 870 and Ardex AF175. Suitable alternatives to Hardset HT, high temperature resistant adhesive are MAPEI VS90 PLUS, MAPEI MS 4 LVT WALL and UZIN KE49 HT.

Spray, contact or pressure sensitive adhesives are not suitable for this flooring. Adhesives should be applied with a trowel (as shown below) and allowed to set prior to the plank placement. Adhesive manufacturer's recommendations should be followed regarding coverage, set up and working time.



INSTALLATION IN AREAS OF HIGH HEAT OR DIRECT SUNLIGHT

All precautions must be taken to avoid the flooring being exposed to prolonged periods of direct sunlight. As required under Australian Standards, the flooring needs to be protected with the use of blinds or curtains. If this is not practical, use window tints or films which block harmful UV rays.

TOOLS AND PRODUCTS

- Tape measure
- Pencil
- Sharp utility knife
- Broom
- Suitable flooring adhesive
- Adhesive trowel
- Heavy roller or hand roller

GETTING STARTED

Ensure room temperature is maintained between 15 and 28°C before, during and after installation.

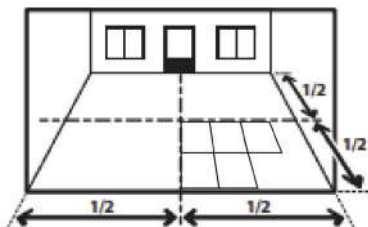
The tiles should be installed in the direction of the traffic flow in your room. It is recommended to lay the tiles parallel to the longest room dimension.

Carefully measure the width of the room and mark the centre line, determine the width of the last row of the tiles. If the width of the last row is less than 50mm, the width of the first row should be adjusted to allow a larger cut.

INSTALLATION

Tiles should be drawn from three boxes to avoid shade variation. The starting point should be marked out at a perpendicular axis adjacent to the longest straight wall. Check that the cut tiles around the edges will be larger than a half-tile. If they are smaller than half-tile, move the axis.

Installation shall commence from the intersection of the perpendicular axis. Tiles shall be laid true to the axis lines to ensure that they are laid square to each other. They shall be laid in a step or pyramid fashion to minimise tile creep.



Ensure the area is clean and dust free, then trowel the adhesive between the lines. Allow adequate time for the adhesive to set and place the tiles. Once all planks are placed, they shall be rolled in multiple directions with a heavy roller.

COMPLETION

Do not place heavy furniture on the tiles for at least 72 hours. After 48 hours of the installation the floor can be cleaned. Use a brush, dry cloth or vacuum for cleaning. Where water/cleaning fluid is required, ensure the minimum is used and the water is not allowed to pool for an extended period of time.

REGULAR MAINTENANCE

Regular maintenance will not only keep the floor clean but can reduce the frequency of more extensive maintenance.

We recommend daily sweeping, mopping, or vacuuming to remove dust and other particles

from your floor. Then spot clean any marks with Kenbrock Maintain in accordance with the instructions on the bottle.

We recommend weekly sweeping, mopping, or vacuuming to remove dust and other loose particles from your floor. Then wash your floor with cool to lukewarm water using Kenbrock Maintain diluted in accordance with the instructions on the bottle.



RESTORATIVE MAINTENANCE

If the floor surface becomes dull over time you can refurbish the surface appearance by applying Kenbrock Rejuvenate floor sealer. First you will need to strip the floor using Kenbrock Remove mixed with clean water and applied in accordance with the instructions on the bottle. When the floor is dry you can then apply the Kenbrock Rejuvenate across the floor undiluted in accordance with the instructions on the bottle. Wait 24 hours for the Rejuvenate to harden before you dry buff your floor.

TROUBLE SHOOTING

Scuff Marks

These are caused by friction from foot traffic across the surface of the floor. Light scuff marks can be removed by spot cleaning with Kenbrock Maintain. Heavier scuff marks may require restorative maintenance as per the above instructions.

Scratching

Scratching is generally caused by excessive grit, dirt or other abrasive particles on the floor. You can assist the prevention of scratching by using appropriate entrance matting. Minor scratching may require restorative maintenance as per the above instructions.

GENERAL TIPS

- Never slide furniture or fittings over an unprotected floor and ensure flooring protectors are used under the feet of furniture and appliances.
- Be aware that bitumen and rubber can permanently mark your floor, leaving a yellowish stain. This includes rubber used in rubber-backed mats, rubber wheels on trolleys, rubber feet on stools, other furniture and rubber soles on low-cost shoes or slippers. Rubber used on wheelchairs and the like is medical grade rubber and can be used.
- Keep floor surface clear of dirt, grit, sand and other abrasive materials, which can be walked into your home by use of appropriate entrance matting. Avoid entrance matting that is rubber backed as it can stain your floor.
- All spillages should be removed immediately with a damp cloth or sponge.
- Do not use any kind of steam or heat mop when cleaning your floors.
- Do not use general household cleaners unless they are specifically for vinyl floors. Avoid using abrasive pads or cleaners, strong alkaline detergents, ammonia, chlorine detergents or any form of bleach.

WARNING

Please note that Kenbrock does not warrant for fading caused by long term exposure to UV light sources. Any areas subjected to this direct exposure must be protected by curtains, blinds or tinting to reduce the intensity of the ultraviolet light.

Kenbrock also does not warrant gapping caused by structural or subfloor movement, or any gapping that may be caused by extreme changes in temperature.



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