

## Installation of Perspectives Carpet Tile

### Installation guidelines

The following instructions should be reviewed prior to installation as well as meeting the requirements of AS2455.1:2007 & AS2455.2:2007 (Where relevant to carpet tiles) the instructions below must be followed.

Kenbrock Flooring will not be responsible for improper installation.

### Determining the suitability, dryness and pH of subfloors

**It is the responsibility of the installation contractor to test the suitability of the subfloor to make certain it is properly prepared and ready for installation of all Perspectives products.**

Excessive floor moisture flow and/or high floor pH (alkalinity) on any floor can cause product failure and therefore all floors should be tested for moisture regardless of age or grade level. All concrete floors must also be tested for pH prior to the installation of any Perspectives products.

**Concrete** - Moisture testing of concrete floors must be done in accordance with ASTM F2170-09.

pH testing shall be in accordance with ASTM F710-08 in conjunction with the pH test strip manufacturer's recommendations. If the surface of the concrete is burnished (highly finished) the burnished surface must be ground off prior to the pH testing being undertaken.

Dryness shall be considered satisfactory, when the relative humidity (RH) does not exceed 70% when tested in accordance with ASTM F2170-09. The acceptable pH range is from 7-9.

**Please note: If the subfloor falls outside of these parameters please contact your local Kenbrock representative for further instructions prior to commencing the installation. Kenbrock will not be responsible for any moisture related installation failures if these guidelines are not strictly followed.**

**Timber** - The moisture content of timber, plywood or particleboard subfloors can be determined with an electrical resistance type moisture meter.

Variations of up to 5% in moisture values can occur depending upon the species type and temperature of the timber. Please refer to AS/NZS 1080.1:1997 for the temperature and moisture content correction for the different timber species.

The value of moisture content measured by electrical resistance is expressed as a percentage of the total saturation of the timber cells. Depending on timber species, total saturation can range from 32% to 36%.

While it is problematic to specify exact percentage thresholds, a percentage reading above 15% would indicate a higher than acceptable level of moisture. This said it is important to consider the moisture content of a timber substrate in comparison to other timber fittings in the building.

**Kenbrock will not be responsible for any moisture related installation failures if these guidelines are not strictly followed.**

### Floor preparation

The requirements of AS2455.1:2007 & AS 2455.2:2007 must be met.

Prior to commencing the installation of the tile, please ensure the subfloors are structurally sound, free of dust, solvent, paint, wax, oil, grease, all existing adhesives, adhesive removers, non approved sealers, coatings, finishes, dirt, film forming curing compounds, hardening or parting compounds, alkaline salts, excessive carbonation or laitance, mould, mildew, or other foreign materials which may affect the rate at which the moisture dissipates from the concrete or cause poor adhesion of the tiles to the subfloor. Any curing chemicals, sealers, burnished or highly polished surfaces, finishes or other chemical treatments used on floors must be mechanically removed prior to the application of the adhesive.

Concrete floors must be sealed if dusting or powdering exists. Kenbrock recommends a complete coverage of SCG 9050 Primer to encapsulate any remaining dust. Do not use sweeping compounds as they may leave oily deposits. The floor must be level and smooth. Depressions and cracks must be filled with a liquid latex additive patching compound and all protrusions levelled.

**Note: do not sand or scrape vinyl asbestos tile (vat) without proper attention to abatement procedures and precautions. With the removal of any asbestos products the full requirements of the relevant federal and state legislation must be met.**

### Adhesive requirements & application

Overall application of adhesive is required; grid application of adhesive is not acceptable. The following adhesive is required:

- Smartgrip Pressure Sensitive Adhesive

The application procedure recommended by the adhesive manufacturer must be strictly adhered to, otherwise the Kenbrock warranty will be void.

**The adhesive must be allowed to dry completely before installing the carpet. Installing into wet adhesive will result in a permanent bond and may cause the carpet tiles to bubble.**

### Installation Procedure

It is the responsibility of the installation contractor to confirm the required installation method/direction with the client. Unless otherwise specified Kenbrock recommends 1/4 turn, or the other two methods shown below.

Seams may be more or less apparent dependant on the installation method. Direction of the installation will not affect the performance of the product.

