



CONTROL JOINT

A Vertical Control Joint provides a simple way to form designed movement joints or day joints.



OVERVIEW

TEKCEM CONTROL JOINTS are designed for forming joints for designed movement, reflected structural joints or movement day joints.

TEKCEM CONTROL JOINTS have a peel off self adhesive at the base, enabling simple fixing.

TEKCEM CONTROL JOINTS are supplied in 1.8m strips so that one strip will usually be sufficient for two door thresholds.

TECHNICAL DATA

Length	1800mm
Thickness	10mm
Height	60mm, 80mm, 100mm
Colour	Black/Red
Pack size	60mm - 25 lengths per box 80mm - 25 lengths per box 100mm - 20 lengths per box

INSTALLATION CONSIDERATIONS

TEKCEM CONTROL JOINTS can be used over any substrate for which the chosen screed is suitable.

When using a TEKCEM CONTROL JOINT to form a day joint, it may be necessary to temporarily "back" the joint with sand or timber to provide support while screed is laid to the opposite face.

The use of TEKCEM CONTROL JOINTS in this way is only necessary where the requirement for a movement joint coincides with a day joint.

TEKCEM CONTROL JOINTS can be cut to allow a route for conduits or under floor heating pipes etc.

HEALTH & SAFETY

This product is not classified under the Chemicals Hazard Information and Packaging for Supply Regulations. A Material Safety Data Sheet relating to this product can be obtained from TEKCEM LTD Please dispose of packaging and waste responsibly.

WARNING

The information provided in this datasheet corresponds to the best of our expert knowledge and experience. Whilst it is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application. TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.

TOOLS REQUIRED

- Steel trowel
- Spiked roller
- Mixing bucket, slow speed drill and paddle (small projects)
- Mixer / pump (high volume applications)

Wash all tools thoroughly with water directly after use.

SURFACE PREPARATION

Before starting, all substrates must be clean, dry and strong enough to support the weight of the leveller, adhesive and the final covering being applied. Remove all dust, dirt, laitance, oil, grease and other contaminants that may effect adhesion. Where traces of adhesive remain, these must be strong, sound and well adhered to the surface. Sub-floors directly to earth must have a DPM.

SUBSTRATES

Concrete/screed:

Ensure new concrete is confirmed dry via consistent moisture readings across the whole surface. Sand/cement screeds must have a surface relative humidity reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying. Remove any laitance from the surface mechanically and remove all dust and debris, ideally by vacuum.

It is necessary to prime sand/cement screeds to aid adhesion, maintain workability and prevent air bubbles rising to the surface. Prime with TEKPRIME diluted 3 parts water to 1 part neat TEKPRIME. Very porous substrates will require more than one coat.

Asphalt/ceramic/quarry/stone tiles:

Make sure surface is clean and free of loose dirt and dust. Prime the surface with TEKPRIME diluted 1 part water to 1 part neat TEKPRIME mixed with a little cement and sand to form a brush on bonding slurry.

Plywood/chipboard/floorboards:

Plywood (12mm minimum) and chipboard (18mm minimum), must be exterior grade and screwed (not nailed) to the substrate at 6 inch / 150mm centres. Existing tongue and groove boards should also be screwed down to the joists at 6 inch / 150mm centres.

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Ensure there is sufficient ventilation beneath the substrate and that the substrate is strong enough to support the weight of the leveller, adhesive and the final covering being applied. Make sure surface is free of loose dirt and dust. Prime plywood with TEKPRIME diluted 3 parts water to 1 part neat TEKPRIME, Prime chipboard with TEKPRIME diluted 2 parts water to 1 part neat TEKPRIME and prime floorboards and any exposed edges and joints with neat TEKPRIME.

Underfloor heating:

Warm water UFH system - The system must have been fully commissioned, brought up to the maximum temperature and ideally switched off 48 hours before application. In the absence of other heat sources, the UFH may be set to 'cut back' to achieve an air temperature of 15°C. Any expansion or movement joints must be carried through to the floor covering surface.

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Radiant electrical UFH system - The system must have been fully commissioned, brought up to the maximum temperature and ideally switched off 48 hours before application. In the absence of other heat sources, the UFH may be set to 'cut back' to achieve an air temperature of 15°C. Any expansion or movement joints must be carried through to the floor covering surface.

Power floated concrete:

Ensure the surface has been allowed 7 days to cure. Power floated concrete can leave a loose top layer and/or laitance once it has cured. Remove the loose top layer and any laitance from the surface mechanically and remove all dust and debris ideally by vacuum. Once all laitance and/or loose material have been removed, prime the surface with TEKPRIME diluted 3 parts water to 1 part neat TEKPRIME.

MIXING BY HAND

Slowly mix 25kg of TEKCEM 375 FIBRE powder to 4.25 litres of water. Add the powder slowly to avoid clumping. Continue to mix until a uniform consistency is achieved. Do not exceed the suggested water addition as this will adversely affect strength, surface finish and will extend drying and overlaying times.

When the desired consistency is obtained allow to stand for 2 mins before remixing prior to application. Ensure that each mix is used within 30 mins of first mixing.

MIXING BY PUMP

Mix in accordance with the pump manufacturer's recommendations. The rate of water addition should be adjusted to give a smooth, cohesive mix with no surface bleed or segregation. Carry out flow checks at regular intervals during pumping.

APPLICATION

Apply by pouring or pumping to the desired thickness and trowel finish to a maximum of 75mm. If greater thickness is required allow to dry between layers of not more than 75mm. TEKCEM 375 FIBRE will begin curing in 1 to 2 hours and should be "walkable" after approximately 3 hours at 20°C. These times may be decreased by higher temperatures or increased if colder.

TEKCEM 375 FIBRE must be suitably dry before overlaying with floor finishes. Typically this will be after 3 hours for tiles or 24 hours for most other floor finishes. It is the responsibility of the floor finishes applicator to ensure that the residual moisture in the material is suitable.

LIMITATIONS

The application of TEKCEM 375 FIBRE should only be carried out when the floor temperature is 5 - 30°C and the ambient relative humidity is below 75%. These conditions should be maintained during application and drying. Do not use in areas subject to permanent water immersion.