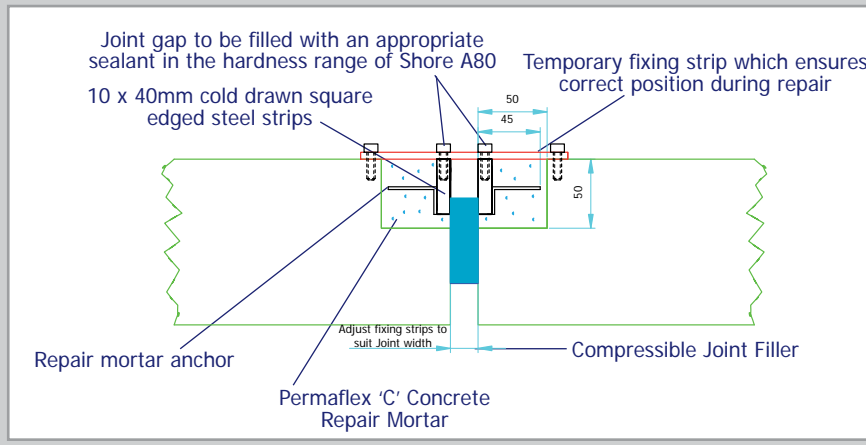
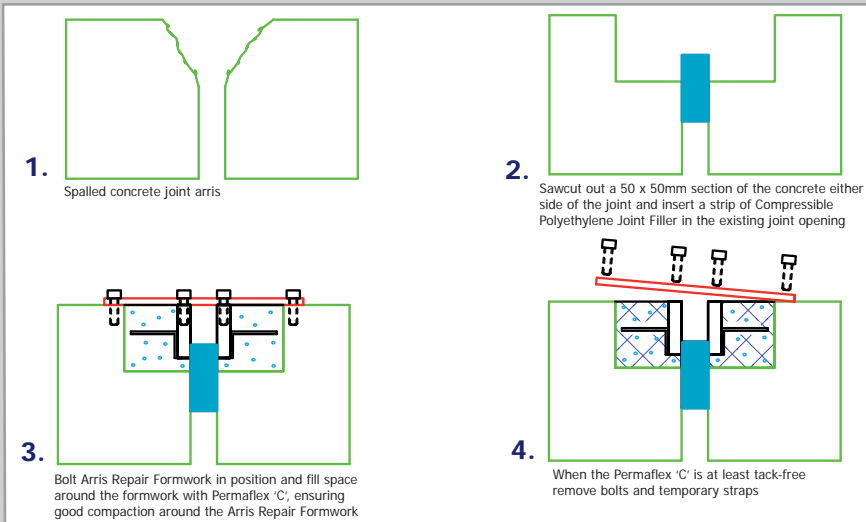
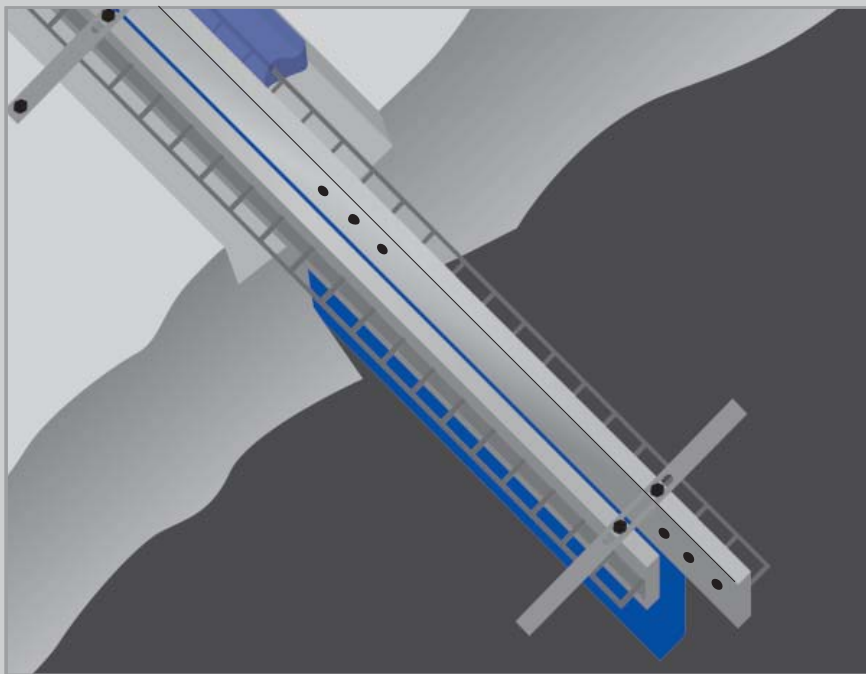


Permaban Joint Arris Repair System

Installed with Permaflex 'C' Concrete Repair Mortar

DATASHEET ISSUE 1.5
25 August 2009



APPLICATION:

- To repair and armour spalled joint arrises on concrete slabs, utilising the Joint Arris Repair Rail and Permaflex C Concrete Repair Mortar.

INTRODUCTION:

The Permaban Arris Repair System comprises of the Joint Arris Repair Formwork is secured in place with Permaflex 'C' Concrete Repair Mortar, for the repair of concrete floor expansion or contraction joints. The Joint Arris Repair System will provide many years of concrete arris protection.

FEATURES:

- Leave-in-Place steel formwork with 2 x 10mm wide cold drawn square edged steel strips.
- L section anchor strip welded to the cold drawn steel strips.
- Simple end-to-end lapped connection.
- Formwork is secured to the concrete repair with Permaflex C Concrete Repair Mortar which exhibits exceptional strength, a modest degree of elasticity is very suitable where shock loads from wheeled traffic are involved and is fast setting - approx. 3-8 hours depending on the application temperature.

BENEFITS:

- The 10mm wide steel strips provide heavy duty joint edge (arris) armoured protection which significantly reduces the joint maintenance requirement compared to other joint types.
- Punched L section firmly anchors the steel strips into the concrete and resists rotation of the strip from wheel impact.
- Lapped end bolted connection speeds up accurate installation and eliminates site welding.
- Arris repair system is securely anchored into the concrete slab with Permaflex C Concrete Repair Mortar which has been specifically designed for the repair of existing concrete floors.



Permaban Joint Arris Repair System

Installed with Permaflex 'C' Concrete Repair Mortar

DATASHEET ISSUE 1.5
25 August 2009

SURFACE PREPARATION

The concrete should be completely clean and free from grease, oils or any other contaminant. It is advisable to scabble any old concrete to achieve the necessary cleanliness. On porous surfaces, prime the concrete surface with Permaflex 'C' resin/hardener system.

Mask edges of repair area with masking tape to prevent spillage of repair mortar onto sound concrete. Clean all tools and equipment immediately after use with Permaclean solvent solution.

MIXING

The mixing ratio is approx. 8kg of Permaflex filler to a 2 litre/2.1kg unit of Permaflex 'C'. If a self-levelling mix is required, reduce the Permaflex filler by 10-15% depending on the temperature of the placing environment.

Mix Permaflex hardener 'Part B' into resin 'Part A', stir slowly and thoroughly by hand using a paddle. After 4 minutes at least, the mixture should take on a homogeneous even colour, keep mixing until this is achieved. Pour the mixed Permaflex 'C' into a clean plastic bucket. Slowly add up to 8kg of filler, continue to mix slowly but firmly until the required consistency is obtained.

Permaflex 'C' Concrete Repair Mortar is for horizontal use only.

RATIOS BY WEIGHT

Resin 'Part A' 1.5pbw - 1pbw.
Hardener 'Part B', filler - 6.8pbw.

APPLICATION

The mortar can be treated as self-levelling (using reduced quantities of filler) by pouring into the void to be filled and lightly smoothing with a spatula, alternatively laid as a conventional sand/cement mortar.

After saw-cutting the failed concrete away (see diag.2 overleaf). It will be necessary to install compressible joint filler between the joint arrises to prevent loss of the Permaflex mortar mixture down inside the joint. Start to fill the repair gap either side of the compressible joint filler with mixed Concrete Repair Mortar (see diag.3 overleaf). Place the Joint Arris Repair Formwork and continue to apply Permaflex 'C' Concrete Repair Mortar until level with the top of the floor. Should any loss occur, it will be necessary to top up with more material before the mixed material has set. Remove the strapping screws and plate after the Permaflex 'C' Concrete Repair Mortar is tack-free.

COVERAGE

When filled at the recommended ratio, 1 pack of Permaflex 'C' (6 litres - 3 x 2 litre units) plus 25kg (14 litres) of filler will provide sufficient material for a 7.5 metre (approx.) run of typical joint repair (40mm wide x 50mm deep). Both sides of the joint must be filled - 3.75 metres x 2.

HEALTH & SAFETY

Permaflex 'C' contains resinous agents and therefore contact with the skin and eyes should be avoided. Goggles, gloves and a suitable barrier cream should be used at all times when handling these products. If contact with the skin or eyes occurs, seek medical attention immediately.

Working areas should be well ventilated when handling solvents of this type.

Permaflex filler is inert.

See also, Permaflex Sealants COSHH DataSheet.

PACK WEIGHTS & SIZES

Arris Repair Formwork	
Joists per bundle	50
Single 3m joint weight (kg)	23
Total bundle weight (kg)	1235

Permaflex 'C' Pack	
Packs per pallet	10
Single pack weight (kg)	33
Total pallet weight (kg)	350

Permaflex 'C' Concrete Repair Mortar is packaged in packs consisting of:
3 off 2 litre units of Permaflex 'C'
1 off 25kg pack of filler



PERMABAN LIMITED

MILL CLOSE, LEE MILL INDUSTRIAL ESTATE
IVYBRIDGE, DEVON PL21 9GL

T: +44 (0)1752 895288

F: +44 (0)1752 690535