

July 2023

Uzin Utz South Pacific Ltd

Installation Guideline

Repair and installation of UZIN products over a cracked concrete substrate.

Many new and existing concrete substrates upon inspection have cracks appearing due to structural movement, excessive concrete shrinkage or even natural 'micro-cracking' on the surface.

The following document is prepared to assist with the repairs of 'cracks' in a concrete substrate where movement and crack growth may continue.

No consideration has been made in this document for treatment of elevated concrete substrate moisture content or issues relating to ongoing structural movement.

No warranties will be carried or implied by Uzin Utz South Pacific Ltd or their exclusive distribution partners for further cracks appearing due ongoing structural movement.

Preparation and Installation procedure.

- All substrates are to be Diamond ground with appropriate Industrial Concrete Diamond Grinding equipment fitted with an effective Dust extraction system to remove all surface contaminants, adhesive residues and laitance.
- All existing cracks are to be chased out with a diamond chase cutting machine fitted with an effective dust extraction system.

Primer coat application:

- Mix and brush apply Uzin PE460 2-part epoxy resin to the prepared cracks/joints ensuring an even coat is applied without ponding.

Mortar application:

- Mix 5kg (part A+B) Uzin PE460 2-part epoxy resin until homogeneous.



Customer Services
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- Add 20kg 0.3 – 0.8mm Kiln dried Silica sand to the mixed Uzin PE460 epoxy resin.

Part mixes are acceptable with particular attention to the correct resin mix ratios and silica sand ratios remaining as above 4:1 sand and mixed resin.

- Trowel or spatula apply the mixed sand/resin mortar to the primed and prepared cracks/joints ensuring the primer application is wet.
- Allow mixed mortar to cure (overnight)

All installations are to be carried out in accordance with the AS/NZ current standards and manufacturers' technical datasheets available on www.uzin.co.nz or www.giltedge.co.nz.



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