



ENGINEERED SOLUTIONS
FOR TILING, FLOORING & WATERPROOFING

SRO945 Levelling Over Internal Epoxy Floor Coatings

SCOPE

The recommendation is regarding the application of thin layer Ardex levelling cements over existing epoxy floor coatings prior to the installation of other floor finishes such as resilient floor coverings (e.g. vinyl or linoleum).

Note: this recommendation does not apply to polyurethane or synthetic rubberised floor coatings as noted in Ardex Technical Bulletin TB108.

PREPARATION

The success of the installation relies on the existing epoxy coating being suitable and compatible for the application of levelling cements as well as the epoxy coating being clean and well bonded to the substrate. Due to the variety of epoxy formulations, a test area is recommended to confirm the system will adhere and perform as intended.

- All damaged, loose and/or drummy sections of the coating must be removed by mechanical methods. In some instances, this may result in the complete removal of the epoxy coating.
- Remove all grease, oils, polishes and other contaminants using a film-less detergent /degreaser with an automatic scrubbing machine. Flush residues away with copious amounts of water and let dry completely. *Do not use solvents to clean the epoxy.*
- Mechanically roughen the epoxy surface by sanding with 24 -40 Carborundum paper to achieve a surface profile equivalent to CSP1 (Concrete Surface Profile 1), vacuum to remove dust,

PRIMING

Prime the prepared epoxy surface with **Ardex P82 primer** applied in a thin film with all puddles and excess primer removed. Allow to dry (min.3 hours – max. 24 hours) to a clear film prior to application of the Ardex levelling cement.

LEVELLING

The following Ardex Levelling cements may be applied over the primed epoxy;

Ardex Leveller	Ardex E25 required	Water required	Approximate Dry time	Thickness*
K55 20 kg bag	Nil	5.25 litres	2 hours	Any thickness
K15 20kg bag	1.6 litres	4 litres	16 -18 hours	Any thickness
K12N 20kg bag	1.6 litres	4 litres	48 hours	2 -25mm

Ardex K55 & K15 can be applied at any thickness although for thicknesses greater than 10mm, the Ardex 2-5mm aggregate should be added.



ENGINEERED SOLUTIONS
FOR TILING, FLOORING & WATERPROOFING

SRO945 Levelling over Epoxy Coatings

The recommended thickness of the Ardex Levelling Cement is 3-5mm as this is sufficient for the leveller to achieve the required self-levelling flow properties.

Note: Always install a test area to determine the suitability of the system for the intended use prior to commencing with the installation over the entire floor.

Disclaimer:

The recommendation selected is based upon questions answered on the Ardex Australia website. This recommendation is designed as a general application for your described situation and should not be considered site specific documentation for general distribution. Always consult the latest relevant Ardex Technical Bulletins and information on the product packaging and/or product data sheets (available on the Ardex Website). Australian and other relevant standards should be followed during installation. If you have any further questions or would like further clarification please contact the Ardex Technical Services Hotline on 1800 224 070 (9am to 5pm Monday to Friday).