



SRO938 Under-Tile Leveller

SCOPE

While hard floor finishes may be adhesive-fixed to a number of **ARDEX** floor levelling cements, this system is specifically designed to level and smooth uneven concrete substrates particularly for the installation of large format ceramic, porcelain and natural stone tiles internally and externally. This ensures the tiles can be installed with an even layer of adhesive for maximum contact between the back of the tile and the substrate. *It is not a system recommended for use under resilient (e.g. vinyl) floor coverings.*

PREPARATION

New concrete shall have completed the recommended 4 weeks curing/drying period to allow the development of any micro-cracking as any cracking will continue through the applied levelling cement. All concrete surfaces shall be mechanically prepared (by grinding, shot-blasting, scabbling or scarifying) to remove any contaminants such as laitance, concrete curing compounds, waxy/oily residues and/or paint over-spray) to achieve a clean, open pored surface comparable to Concrete Surface Profile 3 (CSP3) which has a fine textured surface. Vacuum to remove dust prior to proceeding.

Any cracking in the concrete substrate is to be repaired using the **ARDEX** systems described in **ARDEX Technical Bulletin TB206**. These include the **ARDEX RA** series of injection products as well as repair mortars (e.g. [ARDEX BR 345](#) / [ARDEX A 45](#)) for filling wide cracks and/or holes in the concrete. Existing movement joints in the concrete substrate must not be covered with the levelling cement and damaged joints shall be repaired first.

MOISTURE BARRIER - PRIMING

Existing concrete may exhibit on-going moisture issues such as rising damp. To prevent loss of bond due to this moisture, a moisture barrier is required prior to installation of the **ARDEX** Leveller.

- [ARDEX WPM 368](#) - one part moisture barrier applied at not more than 3 sqm per litre per coat. One coat is normally sufficient for damp concrete not subject to rising damp or hydrostatic pressure. For substrates with rising damp or hydrostatic pressure, at least 2 coats of [ARDEX WPM 368](#) are required. Allow drying for at least 24 hours – cool damp conditions may extend drying time. Recommended for internal floors.
- [ARDEX WPM 300 Hydrepoxy](#) - two part water borne epoxy that is mixed and applied at not more than 3 sqm per litre per coat. Two coats are required with at least 4 hours drying between coats. As the top coat is applied, **ARDEX Primer Sand** is broadcast over the wet surface to achieve an evenly distributed coverage over at least 90% of the area. Allow drying for 24 hours and then brush/vacuum to remove any loose sand. Recommended for external applications.



PRIMING

Prepared concrete is primed with [ARDEX Multiprime](#) (or [ARDEX P 9](#)) water based primers if not already coated with a moisture barrier prime coat. The primer must be dry before installation of the levelling cement.

LEVELLING CEMENT

The [ARDEX LQ 92](#) Under-tile levelling cement is a versatile levelling cement that can be applied from feather edge to 25mm; or mixed with sand as a ramping material; or mixed with added aggregate for installations from 10 to 30mm thick.

	Thickness (mm)	Added Sand (0.3 – 2.0mm) to 20kg LQ92	Aggregate 2-5mm to 20kg LQ92	Mix water quantity to 20kg LQ92.	Drying Time (hours)
As levelling/smoothing layer	0 – 25	No	No	4.0 litre	4-6
For ramping applications	3 -25mm	Add to achieve required consistency	no	3.5 litres	4-6
As bulk-filled leveller for thick applications	10 -30mm	No	Equal volume aggregate	3.7 litres	4-6

Notes:

- The aggregate filled [ARDEX LQ 92](#) may require a final smoothing coat of neat ARDEX LQ92. Allow the bulk filled layer to dry, then prime with ARDEX Multiprime and let dry prior to application of a smoothing layer 3- 5mm thick.
- In high stress locations such as those subject to vibration and/or extremes of temperature and for under floor heating applications, the [ARDEX LQ 92](#) is to be mixed with [ARDEX Abalastic](#) as per the product data sheet.

The [ARDEX LQ 92](#) levelling cement is ready for the installation of tiles after 4 hours drying. Suitable ARDEX Tile adhesives include (but not limited to) the following;

[ARDEX Abaflex](#); [ARDEX X 56](#); [ARDEX X 77+E 90](#); [ARDEX X 78+E 90](#);

[ARDEX X 18+E90](#); [ARDEX X 52](#)

ARDEX Under-tile waterproofing membranes may also be applied directly to the dry [ARDEX LQ 92](#) and the tiles adhesive fixed with compatible ARDEX adhesives (above) to the dry membrane.



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).