System Recommendation
SRO 943
Levelling Internal Floors constructed from James Hardie Scyon™ Secura™ Sheeting

This recommendation applies only to installations of the James Hardie Scyon™ Secura™ 22mm floor sheeting to dry internal floors. As the Scyon™ floor sheeting is not bonded together and may include flexible sealants in the sheet end joints and no sealant in the sheet side joints; any cracking of the relatively rigid levelling underlayment is not included in the underlayment product warranty.

PREPARATION

The Scyon™ sheeting shall be installed as per the sheet manufacturers' instructions with all fixing screws finishing flush with the sheet surface. All surfaces shall be clean and dry with all contaminants removed. Note: Normal mechanical methods (such as grinding) of preparation for the application of levelling cements cannot be used as the sealed surface of the Scyon sheet may be damaged although Light sanding may be possible in some instances to remove accumulated dirt.

PRIMING

The primer shall be the **ARDEX WPM 300** Hydrepoxy applied in 2 coats at not more than 3 m2 per litre per coat and allowing at least 4 hours drying between coats. As the topcoat is applied, ARDEX Primer Sand is broadcast over the wet prime coat to achieve an evenly distributed coverage over a least 90% of the wet surface. Leave to dry (approx. 24 hours) and then brush/vacuum to remove any loose sand prior to installation of the levelling compound. An alternate primer is the **ARDEX P82** or **ARDEX P9** one part acrylic copolymer primer with included mechanical key, applied (brush, roller or spray) at no more than 3 m2 per litre and let dry for 24 hours prior to application of the levelling compound.

MESH INSTALLATION

There are 2 types available:-

- Type 1 is a rigid galvanised, diamond metal lath with 15mm apertures such as used by renders. This must be screwed down.
- Type 2 is an alkali resistant "E-glass" fiberglass matting with 10mm apertures and 2x 0.75mm thick fibres. This can be spot fixed with **ARDEX CA20P Plus** or Selleys Liquid Nails.

Once the mesh has been installed, the ARDEX levelling compound can be applied directly to sanded surface. The following systems can be applied.

<u>System 1</u>

- **ARDEX K 15** mixed in the ratio of 20kg powder to 1 litre of **ARDEX E 25** additive and 4.5 litres of water.

<u>System 2</u>

- **ARDEX K60 Arditex** two-part system mixed in accordance with the product data sheet.

<u>System 3</u>

- **ARDEX K 55** mixed in the ratio of 20kg powder to 5.25 Litres of water.

The mixed levellers are applied to a minimum 6mm thickness. The ARDEX K 15 may be mixed with 2-5 mm aggregate where the thickness is to be in excess of 10mm. Take the weight of this layer into consideration.

Once the levelling compounds have dried for the recommended periods, the flooring finishes may be applied.

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For resilient flooring, the following NEXUS adhesives may be used.

- **NEXUS 880** High Performance Vinyl Sheet Adhesive for vinyl sheet flooring and VCT (Vinyl Composite Tile).
- **NEXUS 870** Vinyl Plank Adhesive or NEXUS 880 for vinyl planks

For carpet tile.

- Use **NEXUS 840** Pressure Sensitive Adhesive

Please note that **ARDEX Technical Bulletin TB240** may include more information for your application than this document

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).

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