



ENGINEERED SOLUTIONS  
FOR TILING, FLOORING & WATERPROOFING

## SRO914 Tiling on Internal Dry Fibre Cement Sheeted Walls

### SCOPE

This recommendation is for the installation of tiles to internal dry area walls made of fibre cement sheeting fixed to timber or metal framed structure. Standard fibre cement sheeting for tiling is normally finished with a smooth matt unsealed surface. The fibre cement wall sheeting must be confirmed by the manufacturer as being suitable for the adhesive fixing of tile finishes.

### PREPARATION

Ensure the fibre cement sheeting has been securely fixed in accordance with the instructions of the sheet manufacturer and with sufficient mechanical fixings (e.g. screws) to support the added weight of the selected tile finish. ARDEX Technical Bulletins **TB001** & **TB148** provide guidelines to the safe load carrying capacity of the fibre cement wall sheeting when adhesive fixing tiles to this substrate. Where the tiles are to be fixed more than 3m above ground and/or weigh more than 32kg/m<sup>2</sup>, additional mechanical support will be required. The wall surface must be dry and free of all contaminants such as the dust produced when the jointing compound over sheet joints is sanded as well as paint over-spray, sealant and/or waxy/oily residues from other trades.

### PRIMING

Prime all sheet surfaces, including the sanded surface of the jointing compound filling the joints between the fibre cement sheets using one of the following primers:

- **ARDEX Multiprime**
- **ARDEX P9**

Allow the applied prime coat to dry prior to adhesive fixing the tiles using one of the following ARDEX adhesives:

	<b>ARDEX adhesive</b>	<b>Optional ARDEX adhesive</b>
<b><i>Porous Bodied Tiles</i></b> Terracotta Glazed Ceramic	MPP, X10, X18, X56 MPP, X10, X18, D2	Optima, Abaflex, X77+E90. Optima, Abaflex, X77+ E90, X52. D1
<b><i>Glazed Mosaic</i></b>	Optima, MPP, X18, X77+E90	X52, X56, X10, D2
<b><i>Dense Bodied Tiles</i></b> Vitrified & porcelain  Glass	Optima, X18, X77+E90  Optima, WA Epoxy, S16+E90	STS8+E90, S16+E90, D2  X77+E90, X18+E90, D2
<b><i>Natural Stone tiles</i></b> (excluding Moisture Sensitive Stone)	S16+E90, X77+E90, WA100 Epoxy	Optima, X18+E90,
<b><i>Natural Stone Tiles</i></b> Moisture Sensitive Stone tiles	Refer ARDEX Technical Bulletin TB010	



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The mixed adhesive shall be spread over the wall surfaces using a suitable notched trowel in accordance with the recommendations of AS3958. The lines of adhesive are to be parallel horizontally across the wall and additional adhesive shall be buttered over the back of tiles larger than 400 x 400mm. The tile is then firmly pressed into the adhesive with a back and forth sliding action across the lines of adhesive to collapse and merge the adhesive lines to achieve maximum contact between the tile and the substrate.

### GROUTING

Once the adhesive has dried for 24 hours, the tiles may be grouted using one of the flowing ARDEX grouts.

- **ARDEX FG8** sanded cement based grout for joints from 1 to 8mm and is a general purpose grout available in a range of colours
- **ARDEX FS-DD** unsanded cement based grout for joints 1 to 4mm. This is recommended for polished tiles with rectified edges as the grout has a smooth finish and is available in a limited colour range.
- **ARDEX WJ50** sanded cement based grout for joints 5 to 50mm
- **ARDEX WA** Epoxy 2 part grout available in black, grey or white for installations where high standards of hygiene and/or chemical resistance is required.
- **ARDEX Abapoxy** Epoxy 3 part grout for installations where high standards of hygiene and/or chemical resistance is required. It is available in 5 colours as a fine grade or a coarse grade to suit the size of joints.
- *Note; ARDEX cement based grouts may be mixed with **ARDEX Grout Booster** for increased performance such as resistance to water penetration, reduced potential for efflorescence, greater strength and flexibility.*

### MOVEMENT JOINTS

Movement joints are to be included in the new tile finish in accordance with the recommendations of AS3958. These joints are installed (but not limited to) in the following locations:

- Over all existing movement joints in the substrate.
- At all internal corners/changes in direction in the plane of the substrate.
- Along all perimeters where the tiles butt against walls and/or built in furniture.
- Around all penetrations through the tile finish.
- At each storey rise in the height of the installation.

Movement joints should be at least 6mm wide and are filled with a flexible sealant such as the ARDEX SE & ST silicones. The ARDEX SE silicone is an acetoxy curing product suitable for general application with fired clay tiles while the ARDEX ST is a neutral cure sealant for use with natural stone tiles. Compressible backer rods may be required in deeper joints to maintain the recommended sealant thickness at half the joint width.



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*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).*