



## **SRO904 – INTERNAL DRY AREA TILING**

### **Compressed Fibre Cement sheeted floors**

#### **SCOPE**

This recommendation is written to give a number of ARDEX options for tiling on fibre cement sheeted floors. The compressed fibre cement (CFC) sheets must be installed in accordance with the sheet manufacturer's instructions. This will include bonding of the sheet edges together with epoxy adhesives and screwing the sheets to the supporting frame. The floor must be structurally sound and composed of sheets at least 15mm thick. The CFC sheets shall not be sealed or primed prior to this installation.

#### **PREPARATION**

Ensure the floor surface is dry and free of all contaminants such as debris (e.g. plaster droppings) and paint over-spray. Lightly sand to remove contaminants and vacuum to remove dust. Ensure all fixings (i.e. screws/nails) are countersunk and filled.

#### **PRIMING**

Prime all surfaces with either [ARDEX Multiprime](#) or [ARDEX P 9](#) primers and allow drying prior to adhesive fixing the tiles.

#### **TILING**

Tiles should be fixed in accordance with Australian Standard AS 3958. The type and size of the tiles determines the selection of the trowel. As a general guide, use at minimum a 10 x 10 x 10mm notched trowel. Achieve a minimum 80% coverage in residential and 90% coverage in commercial areas. The tiles must be pressed firmly into the freshly combed mortar bed to ensure good contact with the mortar. Slide the tile at right angles to the notch pattern to ensure maximum coverage on the back of the tile. Tiles with ribbed or keyed back profiles should also be back-buttered to ensure complete coverage. Tiles greater than 400 x 400 mm should be back-buttered. Lift a tile from time to time to check appropriate coverage and that there are no voids beneath the tile. Any surplus adhesive must be removed from the surface of the tile and joints, before the adhesive sets. Do not spot fix.

The following table is a guide to the adhesives suitable;



	ARDEX Adhesives
<b>Porous bodied tiles</b> Terracotta & Glazed Ceramic	X10 ; X17 ; X18 ; X52 ; Abaflex
<b>Glazed Mosaic</b>	X17 ; X18 ; X52 ; Abaflex ; X77 ; X78
<b>Dense bodied tiles</b> Vitrified/porcelain Glass	X17 ; X18 ; X52 ; Abaflex ; X77 ; X78
<b>Natural Stone tile</b> Excluding moisture sensitive stone	X10 ; X17 ; X18 ; X52 ; Abaflex
<b>Natural Stone Tiles</b> Moisture sensitive stone	WA100 Epoxy and S28*  *Please refer to Ardex Technical Bulletin TB010 for precise definitions

Note : As an optional add-on, you can use [ARDEX E 90](#) with X78, X77, S28, X18 and X10 as detailed in **TB231**. This will greatly improve their performance and longevity.

#### GROUTING

Once the adhesive has set, (in most cases this is overnight but refer to the adhesive datasheet) the tiles may be grouted with one of the following ARDEX grouts:

- [ARDEX FG 8](#) sanded grout for joints from 1 to 8mm and is a general purpose grout available in a large range of colours.
- [ARDEX FS-DD](#) un-sanded 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 range of colours.
- [ARDEX WJ 50](#) sanded 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 are required.
- [ARDEX EG-15](#) Epoxy 3 part grout for installations where high standards of hygiene and/or chemical resistance are required. It is available in 8 colours and is designed for grout widths 1.5mm to 15mm.

**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 not more than 6m intervals in both directions of a grid pattern.

Movement joints should be at least 6mm wide and are filled with a flexible sealant such as the [ARDEX SE](#) or [ARDEX ST](#) silicone for natural stone. Compressible backer rods may be required in deeper joints to maintain the recommended sealant thickness at half the joint width.

### *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).*