



SRO911 – INTERNAL TILING

Undertile Weldtec Sheet Membrane

SCOPE

This recommendation is regarding the adhesive fixing of tiles to the [ARDEX WPM 750](#) or [ARDEX WPM 1000](#) under-tile Weldtec rubber waterproofing membrane that has been installed on internal wet area floors.

PREPARATION

The [ARDEX WPM 750](#) or [ARDEX WPM 1000](#) under-tile Weldtec rubber waterproofing membrane has been installed on structurally sound substrates in accordance with the manufacturers' installation instructions and to the requirements of AS3740. Ensure all sheet overlaps are fully welded together and the detailing of the membrane at the floor waste pipe is secure. The surface of the sheet membrane must be clean and dry. If a topping screed to falls has been placed over the floor membrane, the topping must be well compacted and have dried for at least 16 hours prior to the commencement of the tile installation. **Priming is not required when adhesive fixing tiles to this sheet membrane.**

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 90% coverage. 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.

Suitable adhesive are in the table overleaf;



	Good	Better	Best
Porous Bodied Tiles Terracotta Glazed ceramic	X10 ; X17	X18 ; X52	X77 ; X56
Glazed Mosaics	X18 ; X52	Abaflex ; X77	X78 ; X56
Dense Bodied Tiles Vitrified/ porcelain	X18 ; X52	Abaflex ; X77	X78 ; X56
Natural Stone Tiles (excluding moisture sensitive stone)	X10 ; X17	X18 ; X52	X77 ; X56
Natural Stone tiles Moisture sensitive	Not recommended in wet areas		

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

GROUTING

Once the adhesive has set, the tiles may be grouted with one of the following ARDEX grouts.

- [ARDEX FG 8](#) sanded grout for joints from 1 to 8mm is a general purpose grout available in a large range of colours. In this application it is mixed with 80% [ARDEX Grout Booster](#)
- [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. In this application, it is mixed with 80% [ARDEX Grout Booster](#)
- [ARDEX WJ 50](#) sanded grout for joints 5 to 50mm. In this application it is mixed with 100% [ARDEX Grout Booster](#)
- [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 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 suitable for grout widths ranging from 1.5 to 15mm.



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](#) silicone or [ARDEX ST](#) neutral cure 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).