

SCOPE

Systems for waterproofing, tiling, and grouting prefabricated wet areas where tiles are to be installed

APPLICATIONS

Typical applications include:

- Internal Wet Areas

SUBSTRATES

Suitable substrates include:

- Lightweight, fibre reinforced concrete
- Compressed fibre cement sheeting
- Magnesium oxide boards*
- Particleboard
- Wedi
- Plasterboard

* Contact ARDEX for suitable boards

SUBSTRATE PREPARATION

Substrates must be structurally sound and free of all contaminants (e.g. laitance, form release agents). Substrates must have completed the recommended minimum curing/drying period. Ensure all drainage wastes are fitted with suitable flanges onto which the membrane can be terminated.

PRODUCTS

The following ARDEX products are specified in this recommendation:

- [ARDEX K65](#) – Floor leveller where levelling is required
- [ARDEX PMO 450](#) – Self-adhesive bio-based waterproof sheet membrane
- [ARDEX AF180MS](#) – PMO450 Tape Adhesive
- [ARDEX X 17](#) – Flexible tile adhesive
- [ARDEX FSDD](#) – Flexible cement-based grout

- [ARDEX Grout Booster](#) – Grout Additive for improved flexibility
- [ARDEX SE Silicone](#) – Flexible Sealant for use in Tile Movement Joints

PRIMING

The standard primer for dry internal substrates is dependent on the type of substrate being used. Please advise ARDEX and a recommendation can be given.

MEMBRANE INSTALLATION

[ARDEX PMO 450](#) is a peel and stick membrane. All sheet joints, wall to wall and wall to floor junctions are butt jointed and covered by WEDI detailing tape, or internal/external corner pieces, using [ARDEX AF180MS](#) or [Wedi 620 Sealant](#) to bond the tape to the membrane.

Please refer to the [ARDEX PMO 450](#) installation guide for detailed installation method.

CURING AND DRYING

Once the tape is installed and cured, tiling can commence.

TILING

[ARDEX X 17](#) is a flexible tile adhesive which is suitable for most substrates. Mix and apply as per the manufacturer's recommendations. Adhesive should be given sufficient time to dry before grouting of the tiles can commence.

Grouting

[ARDEX FSDD](#) is a flexible, non-sanded grout which can be applied to a 1-4mm grout joint. All cement-based grouts used can be mixed with [ARDEX Grout Booster](#) admix 50/50. This improves the grout performance and reduces penetration of water through the grout.

All tiled wall floor junctions and internal corners can be sealed with [ARDEX SE](#) silicone. If natural stone tiles are used, use [ARDEX ST](#) silicone.

DISCLAIMER

This recommendation has been prepared for the general installation of an ARDEX Waterproofing System. Each project may have unique site conditions that require specific processes or modifications. Confirmation of suitability for a specific project must be sought from an ARDEX Representative prior to specifying. Installation must be strictly in accordance with the manufacturer's recommendations. All materials used must be approved by ARDEX.

Always consult the latest relevant ARDEX Technical Datasheets, Technical Bulletins, and product packaging information (available at ardexaustralia.com). Australian and other relevant standards must be followed during installation. For further information, contact the ARDEX Technical Services Hotline: 1300 788 780 (9 am to 5 pm, Monday to Friday).