

SURFACE PREPARATION

Ensure that the surface to be waterproofed:

- is structurally sound and that any sheet substrates have been fixed in accordance with manufacturers instructions
- is free from dirt, dust, oil, paint, curing compounds and any other contaminant materials
- nails and screws are flush with the wall surface and covered with a spot of neutral cure silicone
- is free from holes, protrusions or sharp edges
- has falls to the waste outlet of 1:60 (around 15mm in 1m) before tiling commences
- and is COMPLETELY DRY.

ACCEPTABLE SUBSTRATES	PREPARATION
Concrete/ screeds/ renders	Must be sound, and any damaged or uneven areas must be repaired. New concrete must be allowed to cure for 28 days. Screeds and renders must cure for minimum 7 days. Curing agents and laitance must be removed.
Brick/ concrete blocks	Ensure all joints are filled flush. Remove sharp edges/ dags. Fill any voids with a suitable patching compound.
Compressed fibre cement sheets	Clean the sheet with a damp sponge or cloth. Use neutral cure silicone to seal any sheet joints.
Structural or marine plywood (wet area grade)	Clean the sheet with a damp sponge or cloth. Seal any sheet joints with silicone. Cut edges must be sealed prior to waterproofing.
Plaster board (water resistant)	Ensure sheet joints are fixed according to manufacturers instructions. Tape joints and set with base coat jointing compound.
Particleboard (wet area grade)	Used internally only. Special preparation is required, contact ARDEX.
PVC pipes	Roughen the surface and clean off any grease/ grime before priming with plumbers pink primer.

Contact ARDEX if waterproofing any substrate not mentioned above.

APPLICATION

NEW SHOWER

Step 1.

Priming

After the surface preparation is complete apply one good coat of ARDEX Multiprime by brush or roller to all areas to be waterproofed, including down into the floor waste. If the substrate is porous a second coat may be required. It is critical to allow the primer to dry before applying the Superflex membrane. This should take 20-30 minutes.

A suitable PVC or metal primer should be used on the waste outlet.

Step 2.

Wall/floor junction and waste outlet preparation

The junctions between wall and floor; between internal vertical corners and around the floor waste outlet are critical. After priming apply a generous bead (12mm wide) of neutral cure silicone to:

- all wall/ floor junctions within the shower
- junctions between two wall sheets within the shower recess (up to where the tiling finishes)
- the perimeter of the waste outlet/ floor junction.

Smooth over the silicone so that it extends 6mm either side of the junction.

Step 3.

Pre-cut strips of polyester reinforcement mat.

While the primer is drying, lengths of the polyester reinforcement mat should be cut to size in order to fit into all the internal corners of the shower recess. Areas that should be reinforced include the junctions between wall and floor, hob and floor and the vertical corner formed by the meeting of two walls. The internal vertical corner piece should be at least 1.8 meters long. In addition, a piece should be cut to the same length as any crack(s) in the substrate.

EXISTING SHOWER RECESSES

ARDEX recommends that existing showers be waterproofed by a licensed waterproofer.

Remove wall tiles to a height of approximately 150mm (usually one row of tiles) from the shower floor. Remove all floor tiles and tiles from around the inside of the hob. Repair the concrete surface to leave it smooth and free of penetrations. Allow the exposed areas to dry thoroughly before following the same steps detailed above.

Step 4.

Internal corners

An initial band of Superflex Premixed Bathroom & Balcony should be applied to all internal corners. The band should extend approximately 150mm either side of the wall/ floor or wall/ wall junction. In vertical corners the membrane should be taken to a height of at least 1.8m. While the membrane is still wet place the pre-cut lengths of polyester reinforcement mat into the wet membrane. Smooth any creases or air bubbles in the mat and apply a second coat of Superflex Premixed Bathroom and Balcony to completely cover the mat.

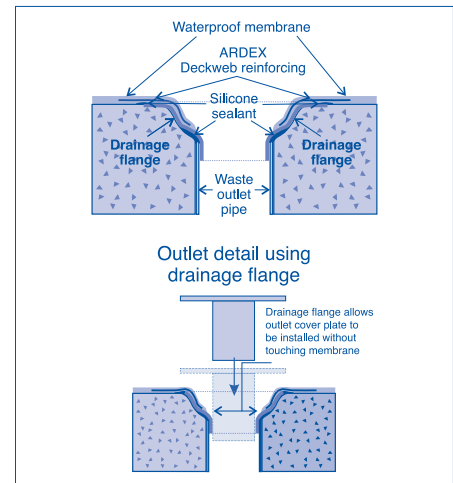
Step 5.

Waste outlet

Prime the surface with ARDEX Multiprime water based primer and allow to dry. Surfaces of the outlet flange must be primed with an appropriate primer.

Plastic (eg. PVC) fittings should be primed with a solvent based plumbers primer. Prime metal surfaces with a suitable metal primer.

Apply Superflex Premixed Bathroom and Balcony over the adjacent floor surface extending down into the waste outlet flange overlapping the edge of flange by at least 30mm. Place ARDEX Deckweb woven mat reinforcement over the applied membrane. Thoroughly wet out the cloth and remove all creases in, or air pockets under the mat. Immediately apply a second coat to completely fill the mat.



Step 6.

Crack preparation

Cracks are treated in a similar manner to corner areas. Clean and remove any loose particles in the crack. Prime the area before applying a bead of silicone into the crack and smoothing it to extend 5mm either side. Apply a 300mm wide band of Superflex Premixed Bathroom & Balcony along the entire length of the crack. Place a pre-cut length of polyester reinforcement mat into the wet membrane. Remove any creases or air pockets in the mat. Immediately apply a second coat of Superflex Premixed Bathroom & Balcony to completely fill the mat.

Step 7.

Walls

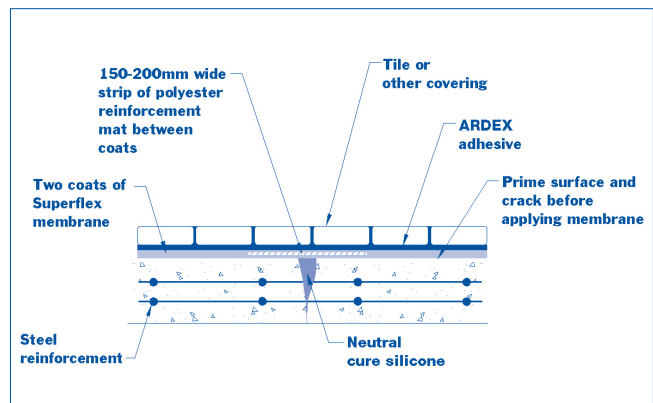
Apply a coat of Superflex Premixed Bathroom & Balcony to the walls to a minimum height of 50-100mm above the hob. Where no hob exists, apply the membrane to a height of at least 100-150mm above the point at which the tiles within the shower will finish. Application should be liberal and in two opposite directions with a brush or roller. It is unnecessary to use reinforcement mat between coats. However when a mat is not used the second coat cannot be applied until the first coat is dry.

Step 8.

Floors

Apply a full coat of Superflex Premixed Bathroom & Balcony to the entire recess floor joining up with the pre-waterproofed corner and waste outlet areas. The membrane should also be extended over the hob and at least 100mm onto the bathroom floor. Apply liberally with a brush or roller ensuring even coverage and a wet film thickness of 1mm. Replace the lid of the Superflex Premixed Bathroom and Balcony bucket to prevent the liquid skinning over.

Allow 1-2 hours or until touch dry before applying a second coat of Superflex to the walls and floor of the shower recess. Apply the second coat at a 90° angle to the first. (i.e. if the first coat was applied horizontally, apply the second vertically.) Each coat should have a wet film thickness of 1mm.



CRACK TREATED WITH SILICONE, SUPERFLEX AND REINFORCEMENT

**TOLL FREE
NUMBER
1 800 224 070**



ARDEX AUSTRALIA PTY LTD

NEW SOUTH WALES

PO BOX 796, Seven Hills, NSW 1730

Tel (02) 9851 9100 / Fax (02) 9838 7970

VICTORIA / TASMANIA

27 Dennis Street, Campbellfield, VIC 3061

Tel (03) 8339 3100 / Fax (03) 9308 9332

SOUTH AUSTRALIA

13 Toogood Avenue, Beverley, SA 5009

Tel (08) 8406 2500 / Fax (08) 8345 3207

QUEENSLAND

30 Kenworth Place, Brendale, QLD 4500

Tel (07) 3817 6000 / Fax (07) 3881 3188

WESTERN AUSTRALIA

69 Vulcan Road, Canning Vale, WA 6155

Tel (08) 9256 8600 / Fax (08) 9455 1227

Questions? Call toll free

1800 224 070

(within Australia only) or visit our
website at www.ardex.com

TECHNICAL DETAILS

COVERAGE

This 6.5kg unit of Superflex will cover approximately 3m² when two coats are applied at the correct wet film thickness of 1.0mm per coat.

DRYING TIME

Allow a minimum of 1-2 hours between first and second coats. If polyester reinforcement mat is used in between coats the second coat should be applied while the first is still wet. The membrane will be completely dry after 48 hours at 23°C, but can take up to 3 days in colder air and surface temperatures. The membrane will reach full strength once cured after 3 days at 23°C or 5 days at 10°C. The shower should not be used until the membrane is fully cured.

CERAMIC TILING OVER SUPERFLEX

It is essential to allow the membrane to be fully cured before fixing tiles.

Superflex Premixed Bathroom & Balcony is fully compatible with ARDEX tile adhesives. For walls we recommend the use of MPP, Abaflex or ARDEX X56. For floors: MPP, Abaflex, Super Tileset or ARDEX X56. For the grouting of floors and walls use ARDEX FG8 for joints up to 8mm. Ensure that the wall tiling finishes over the top of the floor tiling. A flexible sealant should then be used to seal this joint.

Contact ARDEX for a detailed Do-It-Yourself tiling brochure.

CLEANING

Wash hands, brushes, rollers etc, with water while the membrane is still fresh. Remove cured material with mineral turpentine.

SAFETY

Superflex Premixed Bathroom & Balcony is non-toxic. However, the contents should not be swallowed or inhaled. In case of eye contamination, rinse thoroughly with clean water. If irritation continues seek medical advice. Material safety data sheets are available from ARDEX upon request.

STORAGE

Store in dry place between 5°C and 35°C. Protect from frost and heat. A shelf life of 12 months is expected in the original, unopened packaging. Partly used materials should be used within 3 months of opening the container.

PRECAUTIONS

- Superflex Premixed Bathroom & Balcony should not be used over surfaces where continuous rising damp or hydrostatic pressure is a problem.
- Superflex Premixed Bathroom & Balcony should not be applied on surfaces with a temperature below 10°C or greater than 30°C.
- Superflex Premixed Bathroom and Balcony is to be used straight from the can. Do not thin with water or add sand as this will reduce flexibility and cause cracking.
- Always stir product prior to use.

SHOWER

Waterproofing

KIT

MINIMUM WATERPROOFING REQUIREMENTS

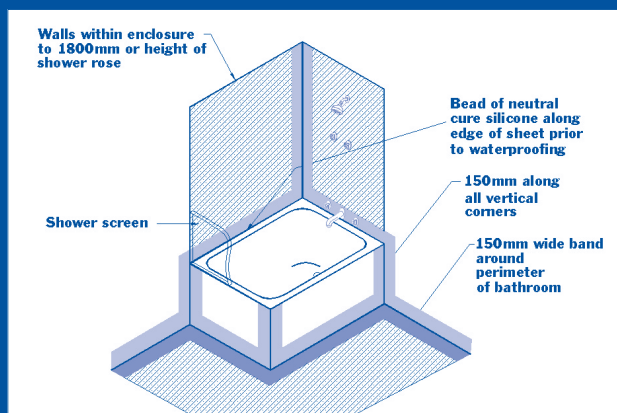
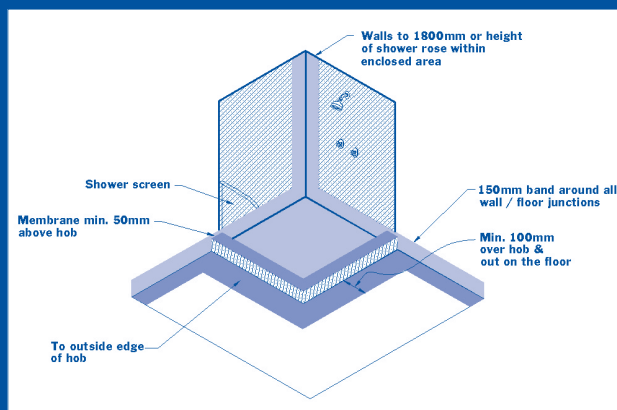
Waterproofing is designed to 'prevent water exiting a wet area and penetrating adjacent areas where it may cause damage and unhealthy or dangerous conditions'. The tile & grout surface is only an intermediate barrier, and does not provide an effective long term waterproofing barrier.

The key to waterproofing any area that is susceptible to water penetration is to properly tank the area. By tanking we mean that the product should be applied to form a 'tank' in which the water and moisture can be contained. For instance, in a shower the 'tank' is formed by applying waterproofing to the full shower recess floor and up the base of adjacent shower walls within the shower recess.

The Building Code of Australia (2010) and the Australia Standard (AS 3740-2010) outline certain minimum requirements for the waterproofing of residential bathrooms. The contents of this kit will waterproof a standard shower to these minimum requirements. However, to provide the best long term insurance against water damage the full walls within the shower recess, and the full floor within the bathroom should be waterproofed. Significantly more product will be required to waterproof to this level.

The Australia Standard (AS 3740-2010) requires that the following areas within a bathroom must be waterproofed:

- full floor within the shower recess including down into the waste.
- minimum 100mm over the hob or step-down onto the bathroom floor.
- minimum 150mm up the walls within the shower recess.
- the vertical angle between two walls within the shower up to minimum 1800mm or 80mm above the shower rose.
- the full bathroom floor if it is made from FC sheet or particleboard or is above the ground floor.



INSTALLATION INSTRUCTIONS

OVERVIEW

The Superflex Shower Waterproofing Kit contains a tough, ready to use waterproofing membrane specially designed for waterproofing under tiles. The waterproofing membrane, Superflex Premixed Bathroom & Balcony, is based upon the most advanced acrylic polymer technology. It is safe to use, low in odour and is fully compatible with cement based tile adhesives. Superflex is what is referred to in the industry as a 'liquid applied' waterproofing membrane. The consistency of the product is like a very thick paint. The product is applied by brush or roller, and dries to form a tough and flexible film which is totally impervious to water. Superflex Premixed Bathroom & Balcony has been granted Opinion No. 91 by the Australian Building Systems Appraisal Council Ltd (ABSAC).

Please note that some councils across Australia require that new waterproofing work be performed by licensed waterproofing applicators.

KIT COMPONENTS

- 6.5kg Superflex Premixed Bathroom & Balcony waterproofing membrane
- 1 L ARDEX Multiprime
- 1 Cartridge of neutral cure Silicone
- 10 lineal metres polyester reinforcement mat.

COVERAGE

The 6.5kg of waterproofing membrane contained in this kit is sufficient to waterproof approx. 3m². This is equivalent to waterproofing a large shower recess to the minimum requirements of the Australian Building Standard. There is insufficient material to waterproof the full walls of the recess.

TOOLS REQUIRED

Superflex should be applied by brush or roller. We recommend using a medium nap (8-12mm pile) paint roller. New rollers should be dampened with water before being used for the first time. For best results with a paint brush use a good quality, 50mm long bristle variety.