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# ARDEX WPM 750

## Weldable Undertile Sheet Waterproofing Membrane

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ARDEX WeldTec Membrane

Heat-Welded Sheet Waterproofing System

BRANZ Appraised (No. 727)

Safe and secure undertile waterproofing solution

Suitable for use with undertile heating systems

Consistent 0.5mm gauge

Suitable for walls and floors

Installed by ARDEX Approved Applicators



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# ARDEX WPM 750

## Weldable Undertile Sheet Waterproofing Membrane

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### DESCRIPTION

ARDEX WPM 750 is made up of synthetic rubber with properties which resist ageing from heat, sunlight and ozone and is heat weldable. Polypropylene filaments are welded onto both sides of the membrane for better wetting by water based adhesives. It has excellent gas impermeability and toughness and remains flexible at low temperatures.

Laps and corners are to be heat formed and/or welded. Tiling can be done directly on the membrane after 60 minutes with common ARDEX tile adhesives such as ARDEX X 77, ARDEX X 56, ARDEX X 18, or ARDEX Optima.

ARDEX WPM 750 is marketed by ARDEX as a warranted undertile waterproofing product using solvent free adhesives and fixed by their trained and experienced approved Applicators.

### ARDEX WPM 750 GAUGES

Standard 0.5mm – For undertile waterproofing

### RESISTANCE

ARDEX WPM 750 resists tearing, flex cracking, bubbling and abrasion. It is extremely strong, has a long life and is versatile.

### PACKAGING

Rolls of nominal 1.4m x 20m long. Rolls are packed in polythene wrapper trademarked ARDEX WPM 750.

### SUBSTRATE SPECIFICATION

Plywood & Timber Substrates must be dry when ARDEX WPM 750 is applied. The plywood and timber substructure shall have a maximum moisture content of 20% when ARDEX WPM 750 is adhered.

**NOTE:** The use of LOSP (Light Organic Solvent Preservative)

treated plywood must NOT be used under ARDEX WPM 750 in any circumstances or conditions.

### OTHER SUBSTRATE TYPES

Fibre cement compressed sheet, closed cell polyurethane foam, wet wall linings i.e. Gib Aqualine, VillaBoard.

### New Concrete

Must be cured for a minimum of 28 days and all curing compounds removed prior to application. A reduction in cure time can be achieved by utilising ARDEX WPM 300 (consult ARDEX Technical Department for details)

### Old Concrete

Must be clean from any contaminants prior to application

### ADHESIVES FOR USE WITH ARDEX WPM 750

WPM 750 Adhesive

The standard contact brushing, spray grade and rolling solvent-free adhesive for fixing to the substrate. Supplied in 20L plastic containers.

WPM 09C

Catalyst to assist adhesion in adverse conditions.

### DURABILITY

ARDEX WPM 750 when fixed according to ARDEX instruction will meet the NZBC requirements of B2.3.1(b) 15 years. Refer BRANZ Appraisal Certificate No 727.

### PRODUCT WARRANTY

When laid by an approved Applicator in accordance with ARDEX's specifications, a material warranty for up to 20 years is available. ARDEX is not responsible for any costs arising from installation of the Membrane and does not provide any

warranty other than where a written ARDEX material warranty has been issued.

### WORKMANSHIP

A warranty for workmanship shall be provided directly by the ARDEX Approved Applicator. The period and terms of the workmanship warranty shall be determined by the conditions of the contract or the approved Applicator.

### TYPICAL ARDEX WPM 750 SPECIFICATION

#### 1. Preliminary

Refer to the Preliminary & General Clauses of this specification and to the General Conditions of Contract which are equally binding on all trades. This section of the specification shall be read in conjunction with all other sections.

#### 2. Scope

This section of the contract consists in general of the provision and laying of the ARDEX WPM 750 in wet areas.

#### 3. Workmanship

The whole of the work shall be carried out by skilled tradesmen using adequate and proper equipment and methods in accordance with best trade practice, and following the specifications, methods and recommendations as laid down by the manufacturers.

#### 4. Sub-contractors

The work included in this section of the contract shall be carried out by a firm of waterproofing experts conversant with and specialising in the supply and fixing of these materials and shall be ARDEX Approved Applicators.

#### 5. Warranty

When laid by an approved Applicator in accordance with ARDEX's

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specifications, a written material warranty of up to 20 years is available. It is the responsibility of the approved Applicator to confirm proper installation and to request ARDEX to issue a material warranty on behalf of the customers following completion of installation. ARDEX is not responsible for any costs arising from installation and does not provide any warranty other than where a written ARDEX material warranty has been issued.

## **6. Materials**

### **6.1 ARDEX WPM 750 Membrane**

Shall be 0.5mm thick ARDEX WPM 750 in all wet area surfaces, where membrane is to be overlaid with tiles.

### **6.2 Tile Adhesives**

Shall be recommended by ARDEX specially formulated for ARDEX WPM 750 and suitable for the particular application and the relevant temperature and conditions applicable.

## **7. Laying of ARDEX WPM 750**

The ARDEX WPM 750 installer shall check the substrate before laying any membrane to ensure that the surface is completely sound, screw fixed to specifications: screw heads flush, sheets spaced to provide for thermal movement or shock.

## **8. Completion**

On completion carefully and thoroughly clean off and remove all scraps and other rubbish from finished surfaces and leave in tidy order.

## **9. Extent of Work**

Observe the foregoing specification and supply and lay ARDEX WPM 750 sheeting to all wet areas as shown and detailed in the drawing and in accordance with AS/NZS3740. Failure to comply with the above specifications will result in all

warranties being null and void.

## **LAYING SPECIFICATION**

The sub-contractor for the work called for in this trade will be a Company or Person approved by ARDEX. The approved installer shall examine all drawings and provide for the surface to which ARDEX WPM 750 is to be fixed shall be clean, smooth, dry and free from sawdust, grit or sharp objects. Membrane laying shall not start until defects have been corrected. On completion the installer will provide the owner with a Workmanship Warranty and obtain from ARDEX a Materials Warranty. Failure to comply with the above specifications will result in all warranties being null and void.

## **INSTALLATION**

Roll out ARDEX WPM 750 and cut to the measured length. Smooth ARDEX WPM 750 on contact to minimise air entrapment beneath the membrane. Floor sheets of ARDEX WPM 750 must extend up the wall at least 150mm. Make sure the ARDEX WPM 750 is laid tightly into all corners. Wall sheets of ARDEX WPM 750 should overlap the 150mm upstand. Weld seams and laps with the Leister Triac S Hot Air Gun. Roll with a rubber roller to ensure seams and laps are secure.

Walls, internal corners & transitions

Apply the ARDEX WPM 750 membrane 1800mm up the walls or to a height of 150mm above the shower rose. For unenclosed showers the membrane must extend a minimum of 150mm out from the shower rose.

## **PROTECTION**

ARDEX WPM 750 is not suitable as a trafficable surface.

ARDEX WPM 750 is compatible with undertile heating systems. For electric undertile heating, the wire must be laid under the membrane.

It is the responsibility of the main building contractor to ensure all sub-trades likely to be working in the vicinity of the membrane are aware that a waterproofing membrane has been installed and all care must be taken to protect the membrane from damage. The tiler must lay tiles in accordance with best practice guidelines.

## **DISCLAIMER**

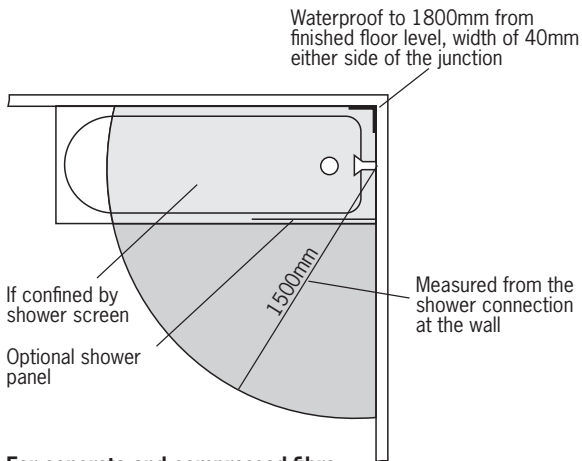
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# ARDEX WPM 750

## Weldable Undertile Sheet Waterproofing Membrane

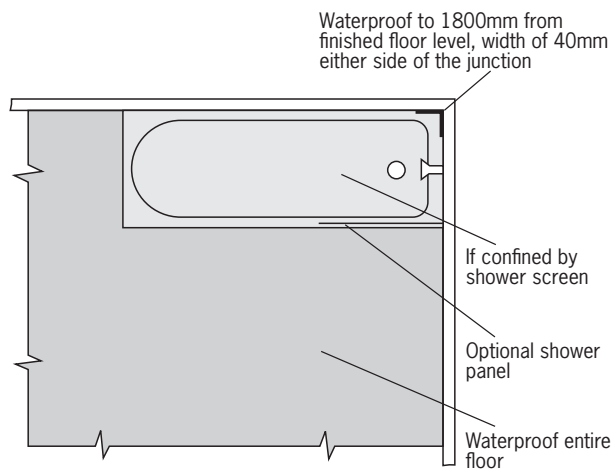
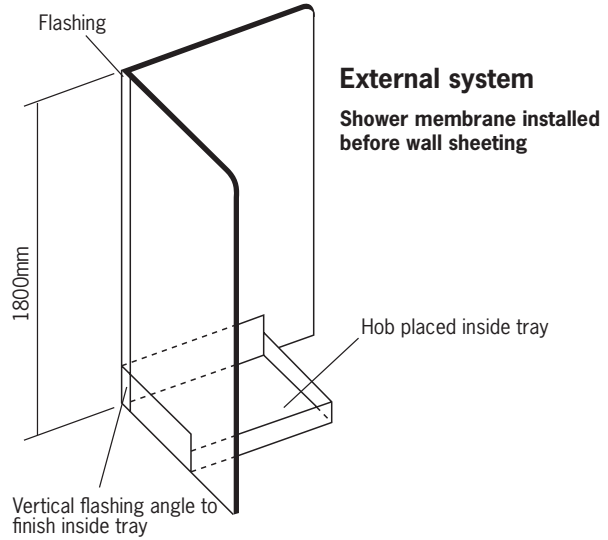
LAYING ARDEX WPM 750 IN BATHROOM WET AREAS in accordance with AS/NZS 3740

### Extent of treatment of wet areas - shower area over bath - unenclosed shower

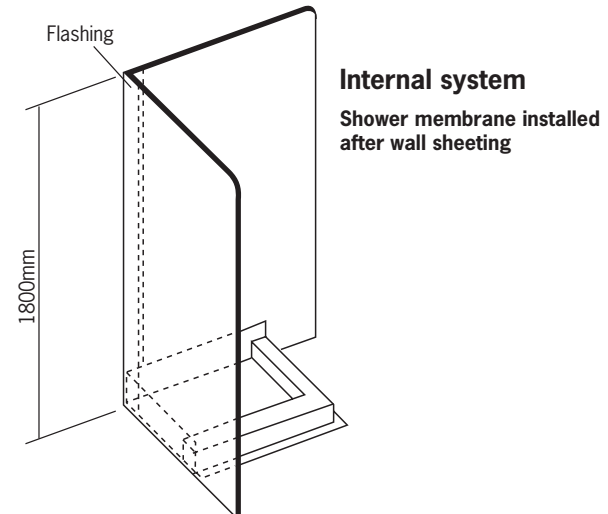


For concrete and compressed fibre cement sheet floors

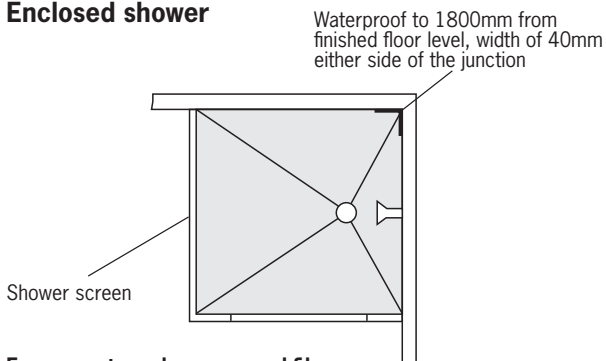
### TYPICAL SHOWER CONSTRUCTION



For timber floors including particleboard, plywood and other flooring materials apply ARDEX WPM 750 waterproofing membrane to entire floor



### Enclosed shower



For concrete and compressed fibre cement sheet floors

### TYPICAL HOB CONSTRUCTION

