

# Minister's Specification

SA F1.7

## **Waterproofing in buildings – Additional requirements**

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### SCOPE

This Specification outlines waterproofing requirements that are additional to those required for *wet areas* in the Building Code of Australia (Volumes One and Two of the National Construction Code Series) and Australian Standard AS 3740. These requirements apply to all classes of buildings.

This Minister's Specification must be read in conjunction with the Building Code of Australia.

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### INTERPRETATION

**Group Shower** means multiple shower facilities for use by unrelated persons.

**Waterproof** means waterproof as determined by AS 3740.

**Water resistant** means water resistant as determined by AS 3740.

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### REFERENCED STANDARDS AND DOCUMENTS

Table 1: Schedule of Referenced Standards and Documents

No.	Date	Title
AS 3740	2010	Waterproofing of domestic wet areas

#### 1.0 Walls to be water resistant

1.1 The following wall areas must be *water resistant* in accordance with AS 3740-

- (a) In any room containing a washing machine, from finished floor level to a minimum of 75mm above and 75mm each side of the washing machine tap outlets.
- (b) In kitchens, bar areas, kitchenettes or domestic food and beverage preparation areas, where a sink or a bench top containing an inset sink abuts a wall surface, for a minimum height of 150 mm above the sink and for the full width of the sink.

#### 2.0 Sealing of wall junctions, joints and penetrations

2.1 In kitchens, bar areas, kitchenettes or domestic food and beverage preparation areas, the following wall junctions and joints must be *water resistant* in accordance with AS 3740-

- (a) Where a sink is fixed to a wall, junctions within 150mm above the sink for the extent of the sink, refer to figure 1(a);
- (b) Where a sink is inset into bench top, junctions within 150mm above the sink for the extent of the sink and the edges of the sink for the full extent of the sink; refer to figures 1(b) and 1(c).

2.2 In kitchens, bar areas, kitchenettes or domestic food and beverage preparation areas, the following penetrations must be *waterproof* in accordance with AS 3740-

- (a) Penetrations for sink tap and spout outlets where they occur in horizontal surfaces.

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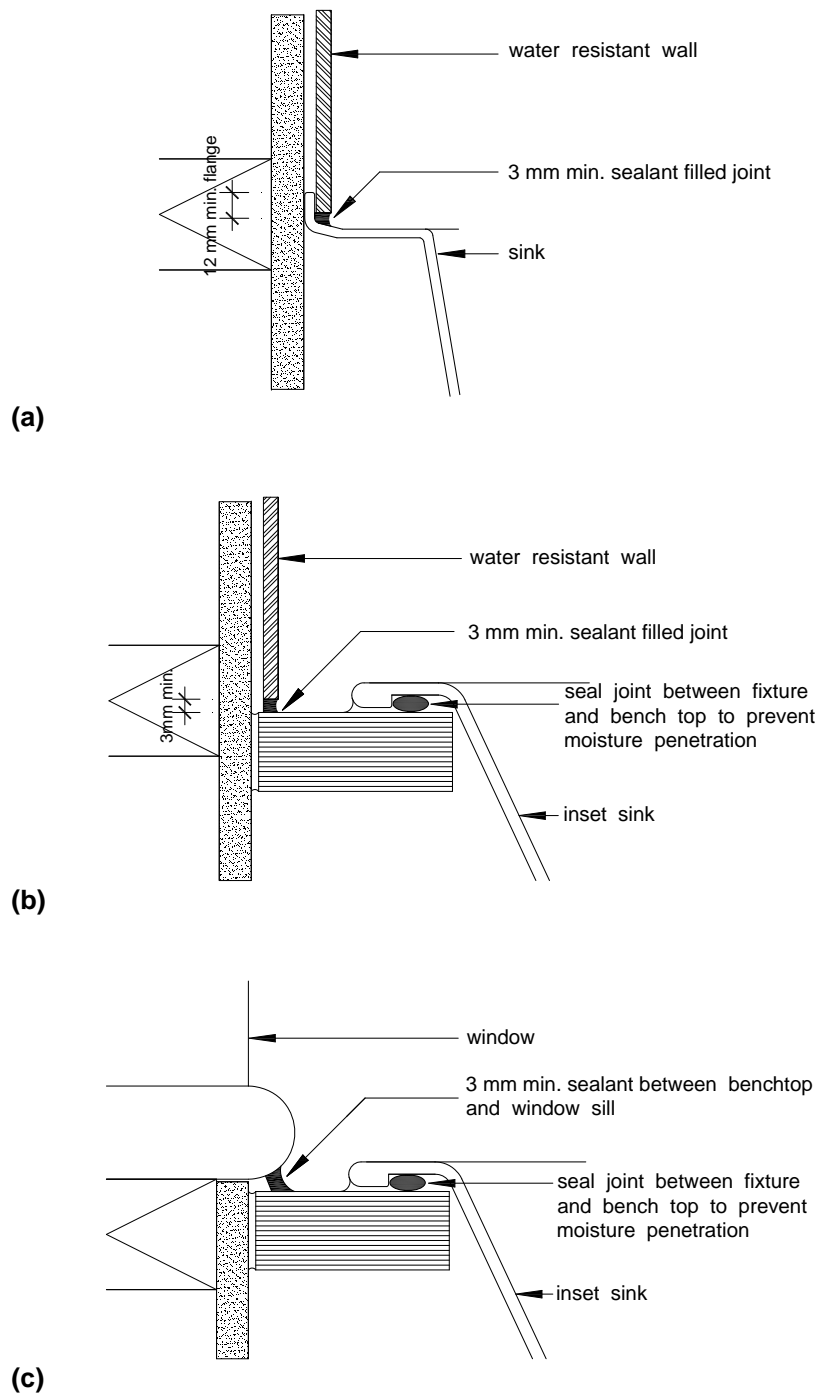


Figure 1: Typical water resistant junctions and joints for bench tops with inset sinks and sinks abutting walls.

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### 3.0 Group shower facilities

*Group shower* facilities must comply with the requirements of AS 3740 relevant to showers and *shower areas*.

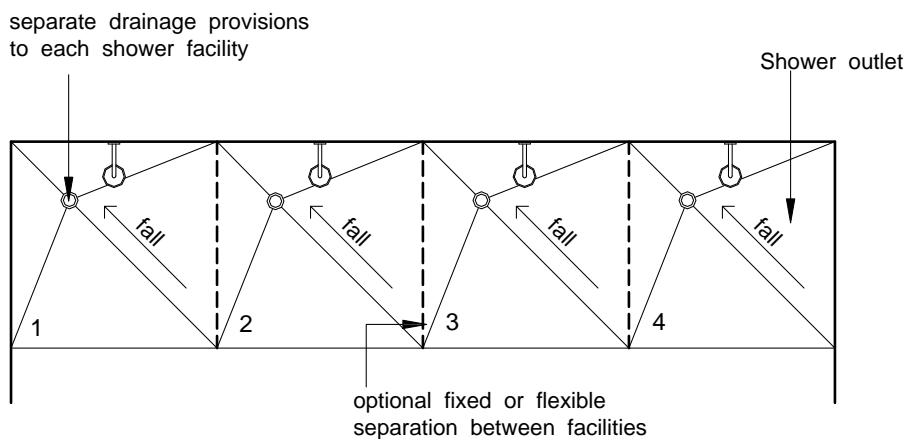
#### 3.1 Group shower drainage

In *group shower* facilities, the water from one *group shower* facility must not flow over the floor of another *group shower* facility.

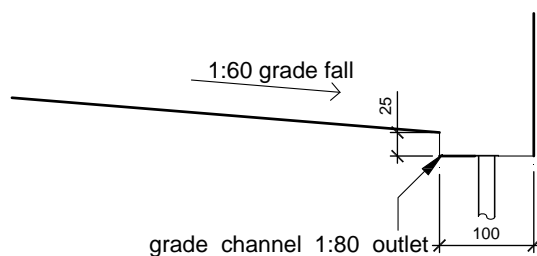
All *group shower* facilities must drain to a *shower waste* or to a common drainage channel and the individual showers must have a floor surface graded at not less than 1:60 to the *floor waste* or outlet channel. Refer Figure 3.

Where an outlet channel is used, the channel must be:

- (a) Not less than 100mm wide
- (b) Not less than 25 mm deep at the top of the outlet from the channel; and
- (c) graded at not less than 1:80

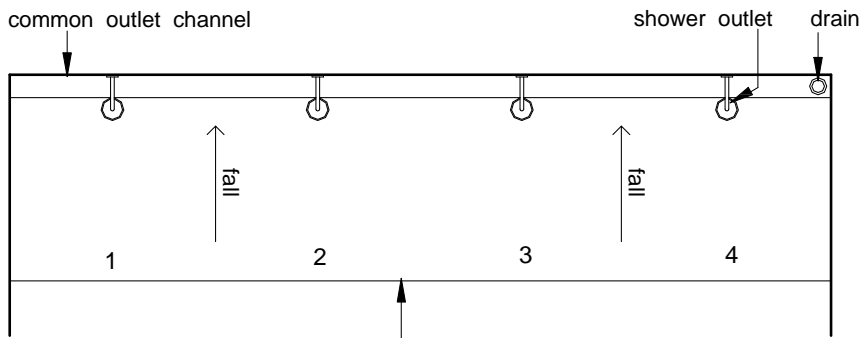


**Plan 1**



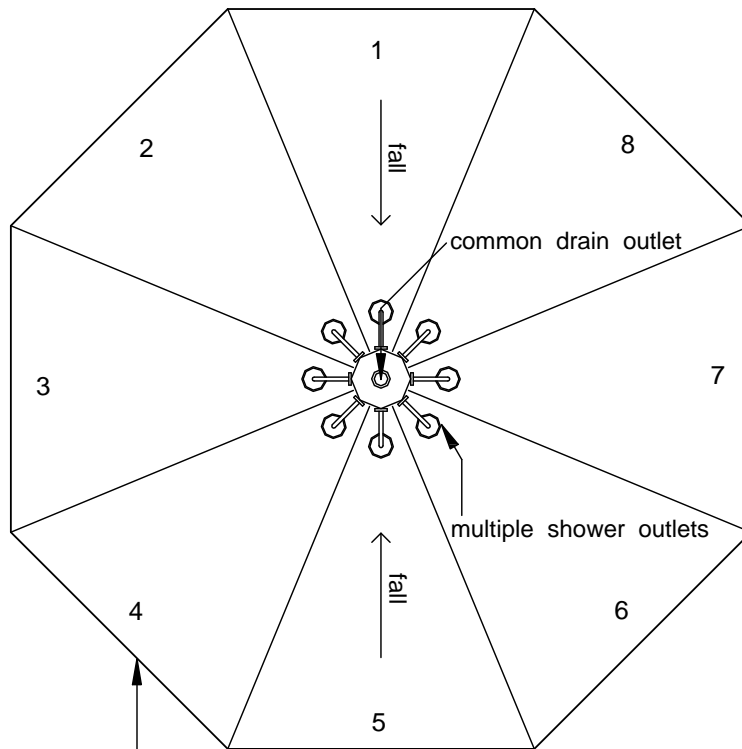
### Group showers

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Plan 2

Note: Facilities may be separated by fixed or flexible methods



Plan 3

Note: Facilities may be separated by fixed or flexible methods

Figure 3: Group Shower Facilities

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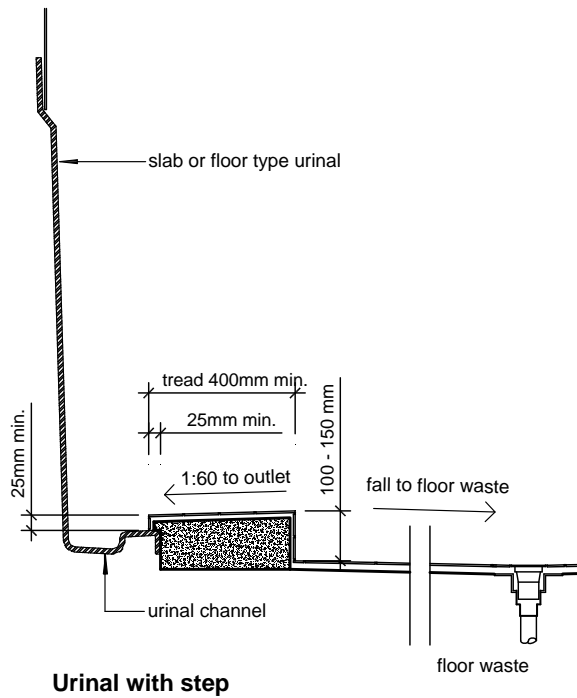
### 4.0 Urinals

The floor or step adjacent to a floor mounted urinal refer Fig 4 (with or without mounted hinge tread) must:

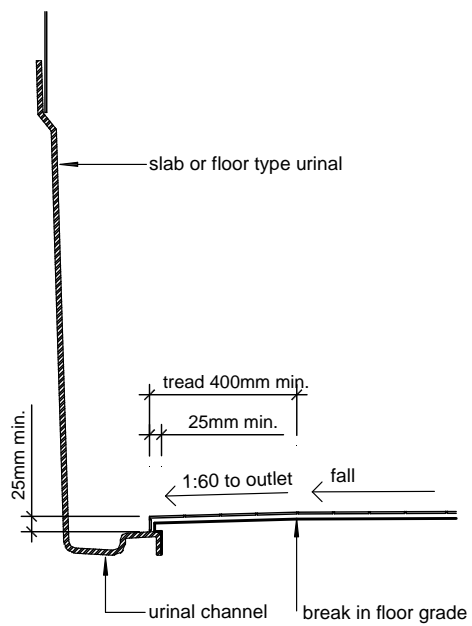
- (a) be waterproof and
- (b) be a minimum of 400mm in width
- (c) be graded not less than 1:60 to the urinal channel
- (d) be not less than 25mm above the top of the urinal channel
- (e) overlap the urinal channel by not less than 25mm.

Where a step is used the step must have:

- (a) a tread not less than 400mm wide; and
- (b) a rise of not less than 100mm and not more than 150mm.



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Urinal without step

Figure 4: Urinal details