THE ORIGINAL
LINEAR DRAIN
THE ORIGINAL

Stormtech
™

100ARG20
Linear Drainage System

Stormtech is the only linear drainage system available with full
Greentag and Watermark certification across our complete product range.

WaterMark
Level 2 Licence WMKT 21518
SAI Global

AUSTRALIAN MADE
AND OWNED

ecospecifier global
GREEN TAG
CERTIFIED

trust brands™

Stormtech™

ARCHITECTURAL GRATES + DRAINS

100ARG20
Linear Drainage System

Code 100ARG20
Range 100
Grate Style AR
Category Modular Kits
Channel Material uPVC
Steel Grade 316

23.00 mm
106.00mm

Grates longer than 1500mm supplied in sections.
Tile Inserts longer than 1200mm supplied in sections.
Channels over 3000mm supplied in sections with joiner.

100mm wide Architectural Stainless Steel grate with UPVC channel.

The 100AR is the original premium architectural grate featuring a 2mm wire/2.5mm gap.

Modular site finish system, wedge wire grate, manufactured from 316 grade stainless steel combined with a UPVC channel.

Kits longer than 3000mm are available on request.

Please be aware that depending on the installation environment, for a pool installation or close to a surf beach, you may need to have your stainless steel grates electropolished.
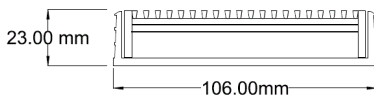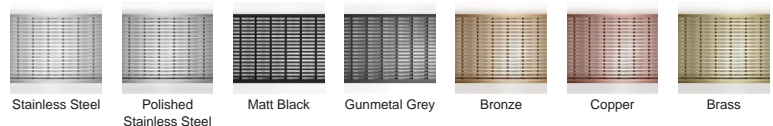
SPECIFICATIONS + DIMENSIONS

Channel Width	106mm
Channel Depth	23mm
Length(s)	900mm 1000mm 1200mm 1500mm
	1800mm 1900mm 2000mm 2200mm
	2400mm 2700mm 3000mm
Outlet Size	DN40, DN50, DN80, DN100

STORMTECH COLOUR FINISHES

Stainless Steel	Polished Stainless Steel	Matt Black	Gunmetal Grey	Bronze	Copper	Brass

Electroplate finishes subject to natural variation with time and local environment.

PRODUCT APPLICATIONS

Bathroom Drainage
Aged / Health Care Drainage
Balcony Drainage
Commercial Drainage
Courtyard / Patio Drainage
Pool and Spa Area Drainage

Hospitality Drainage
Paved Area Drainage
Shower Drainage
Multi-Residential Drainage
Special Needs Drainage
Threshold Drainage

100G20 Assembly

For 100AR20, 100PS20,
100TR20, 100MND20.

Stormtech™

Grate

E100

100G

S100

Step 2

Use a holesaw to cut the hole
for the spigot. Hole sizes are
per below:
89mm holesaw for S100 spigot to 100mm DWV pipe
76mm holesaw for S80 spigot to 80mm DWV pipe
51mm holesaw for S50 spigot to 50mm DWV pipe
37mm holesaw for S40 spigot to 40mm DWV pipe

Step 1

32 tooth per inch blade

Use a hacksaw with
32TPI blade to cut
both stainless grate
and PVC channel.

Step 3

PVC solvent
cement the parts
together. Use type
N clear with clear
primer.

*NOTE,cut the GRATE AFTER
the CHANNEL is ASSEMBLED
to ensure the grate fits
correctly.*

100GA

100GJ

Join angles as shown
if turning channel around
a 90 degree corner.

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100G20 Bathroom

For 100AR20, 100PS20,
100TR20, 100MND20.
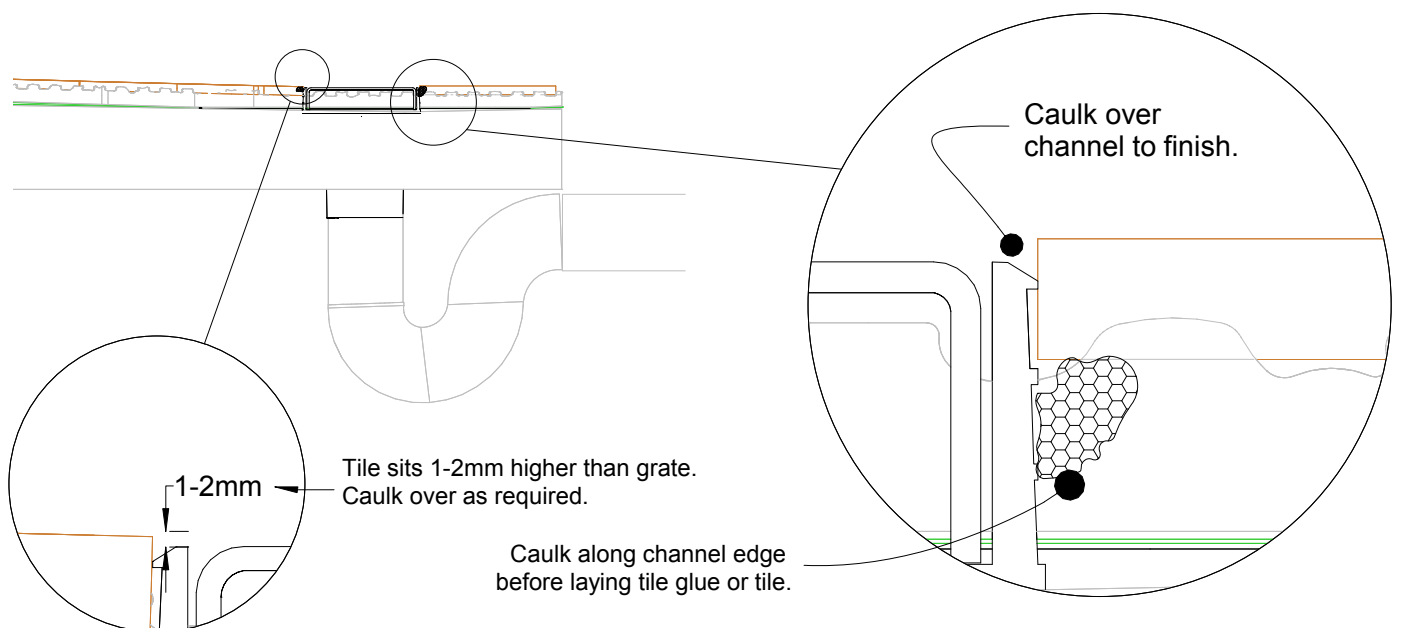
Stormtech™

← Fall

← Fall
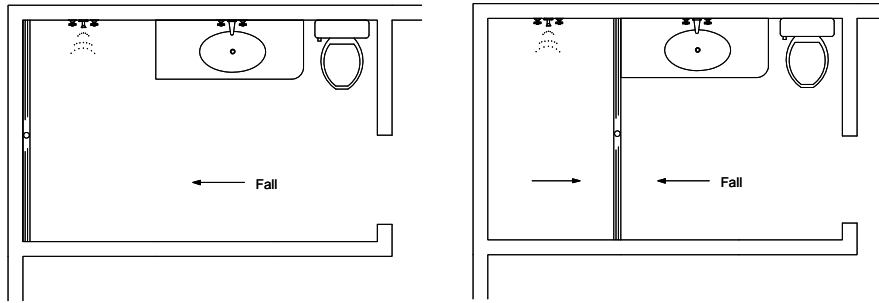
NOTE, ensure pipe sizes
and outlet sizes selected
are as per requirements in
AS3500.

The PSB support fits under the cut grate
to support tynes of the grate (100PS only).

Grate

Stop End

Channel

rebate for channel

Tile cement (glue)

Tile

Spigot, optional DN40,
DN50, DN80 or DN100.

ALCF flange shown is
supplied separately.

Waterproofing

substrate

Trap
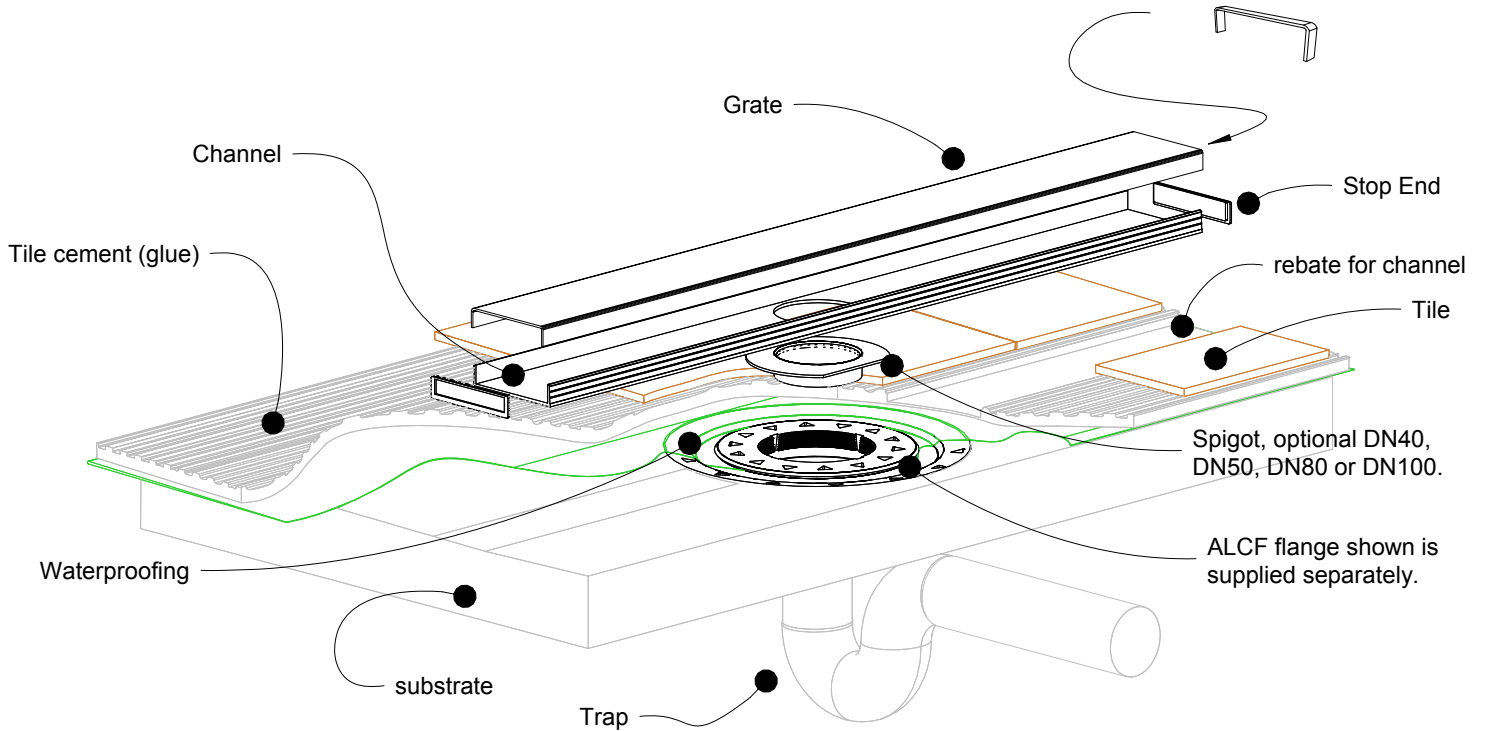
NOTE, this method requires the channel system to be ABOVE and SEPARATE from the WATERPROOFING.

Caulk over
channel to finish.

1-2mm

Tile sits 1-2mm higher than grate.
Caulk over as required.

Caulk along channel edge
before laying tile glue or tile.

100G20 Concrete Floor or Deck
For 100AR20, 100PS20, 100TR20, 100MND20.

Slab on Ground

Waterproofing is fixed to the floor flange

1-2mm

Stormtech is 1 or 2mm lower than adjacent tile. Caulk over channel to finish.

Caulk bottom of tile to edge of Stormtech

Suspened Slab

Tile

Tile glue or bed.

Waterproofing

Substrate

NOTE, waterproofing slopes towards the floor flange, with the flange as the lowest point in the waterproofing

Top steel

Bottom Steel

Fire collar
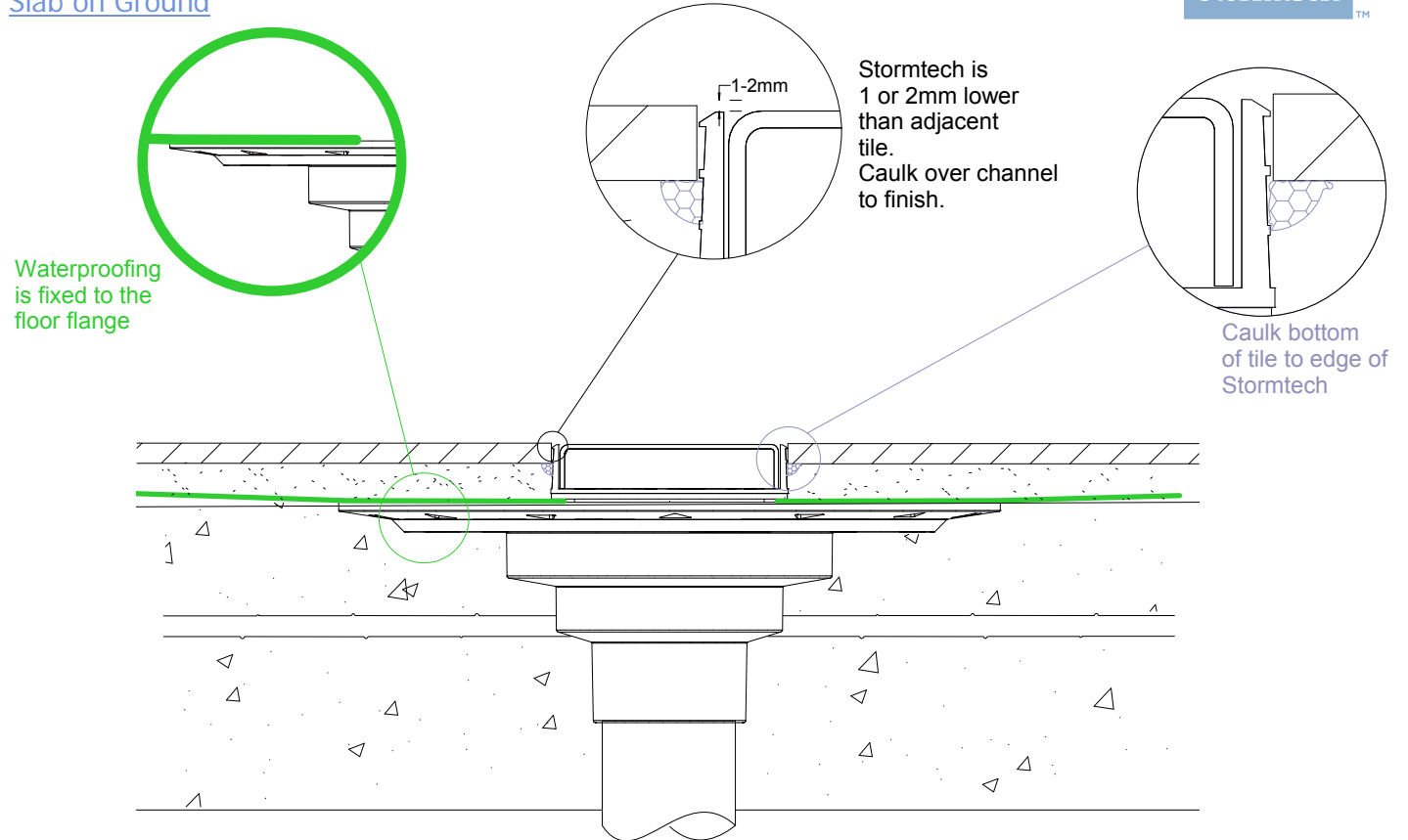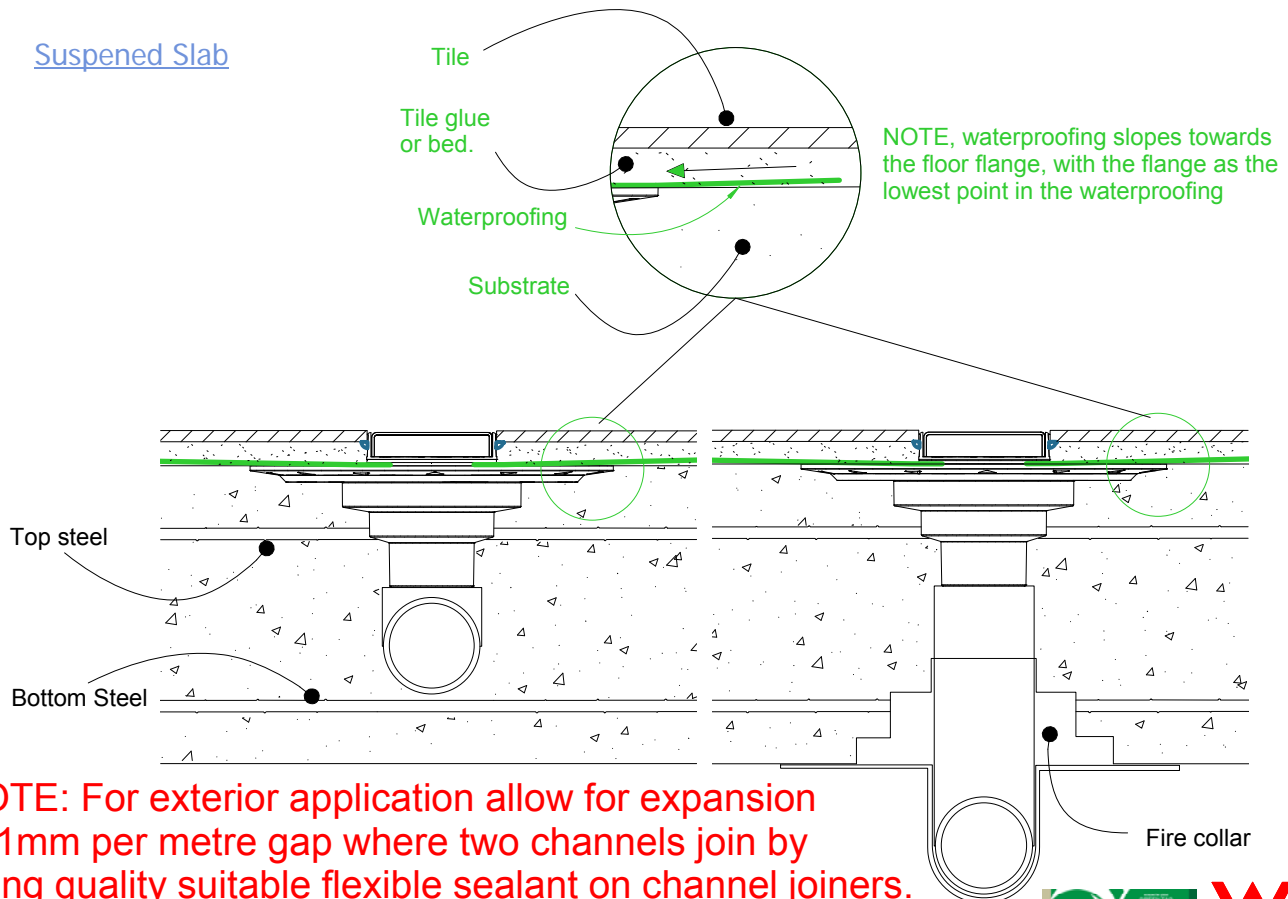
NOTE: For exterior application allow for expansion of 1mm per metre gap where two channels join by using quality suitable flexible sealant on channel joiners. Use PVC solvent cement for ends and outlets.

WaterMark
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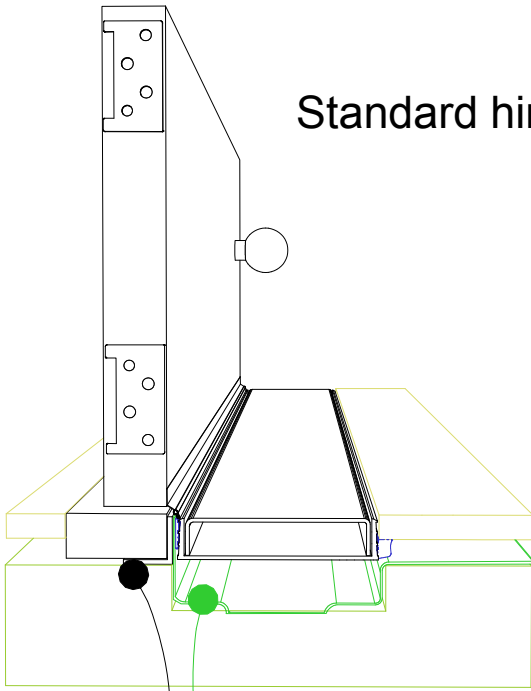AUSTRALIAN MADE AND OWNED

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100G20 Threshold installation suggestion

For 100AR20, 100PS20,
100TR20, 100MND20.

Standard hinged door

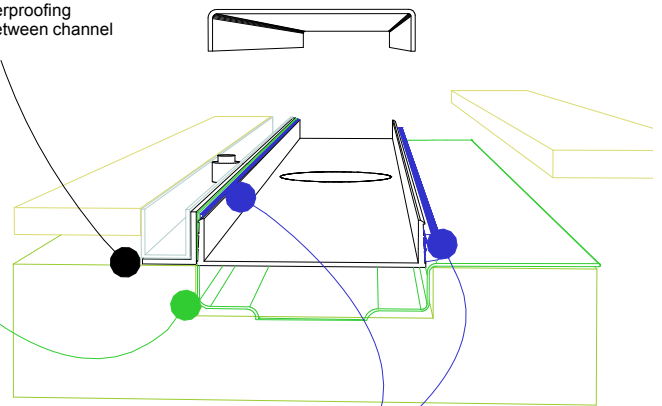Aluminium angle
to support waterproofing
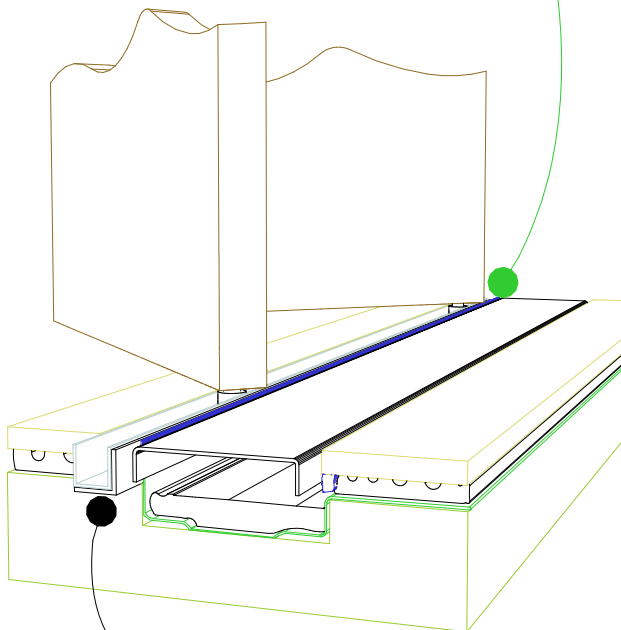and junction between channel
and door sil.

Top hung slider

Aluminium angle
to support waterproofing
and junction between channel
and door track.

Waterproofing

Bi-fold door

For all types of threshold
installation ensure both sides
of the channel are sealed
before laying tile.

NOTE, ensure weather stip
is used on the appropriate
side of the door to ensure
drafts and moisture are
minimised.

NOTE, ALWAYS ensure the
waterproofing is completed
before laying the Stormtech.

Aluminium angle
to support waterproofing
and junction between channel
and door track.

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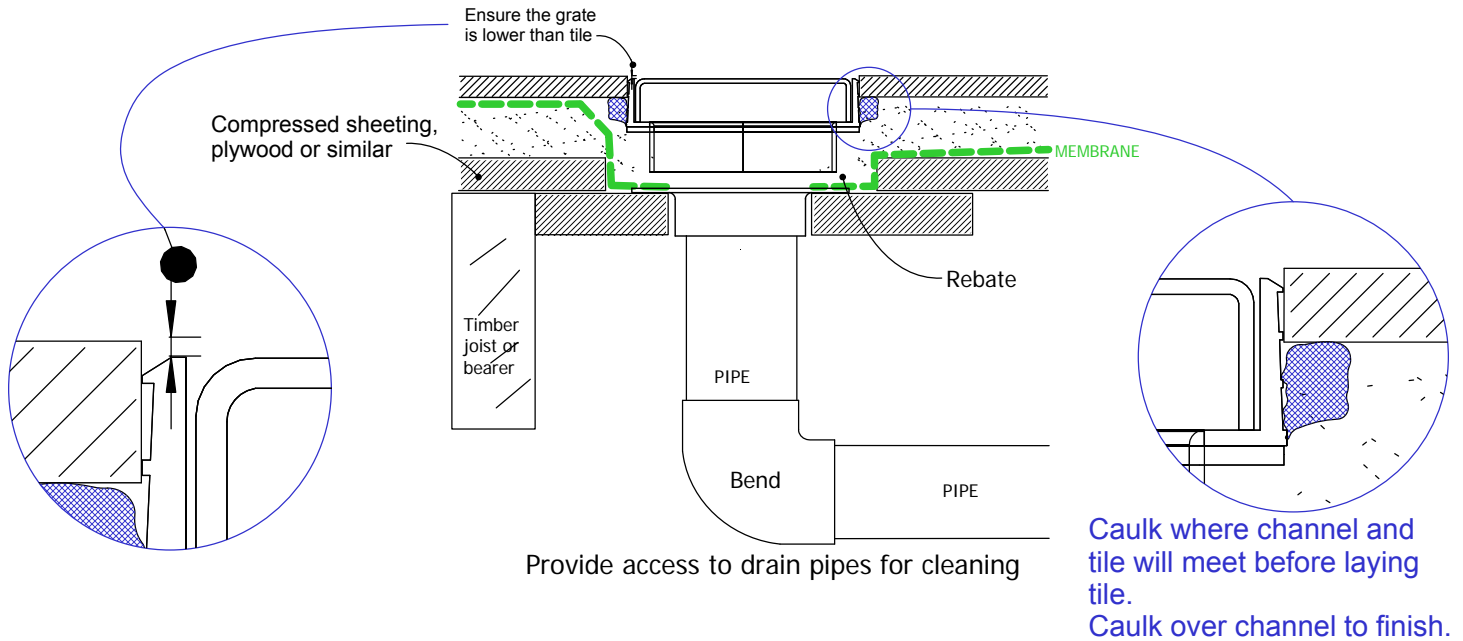e info@stormtech.com.au, w www.stormtech.com.au   100G20627082015TC

100G20 TIMBER FLOOR/DECK

For 100ARG20, 100PSG20, 100TRG20, 100MNDG20.

When 100G20 is running parrallel to joist/bearer

Ensure the grate is lower than tile

Compressed sheeting, plywood or similar

MEMBRANE

Rebate

Timber joist or bearer

PIPE

Bend

PIPE

Provide access to drain pipes for cleaning

Caulk where channel and tile will meet before laying tile.
Caulk over channel to finish.

When 100G20 is running perpendicular to joist/bearer

Compressed sheeting plywood or similar

Joist or bearer

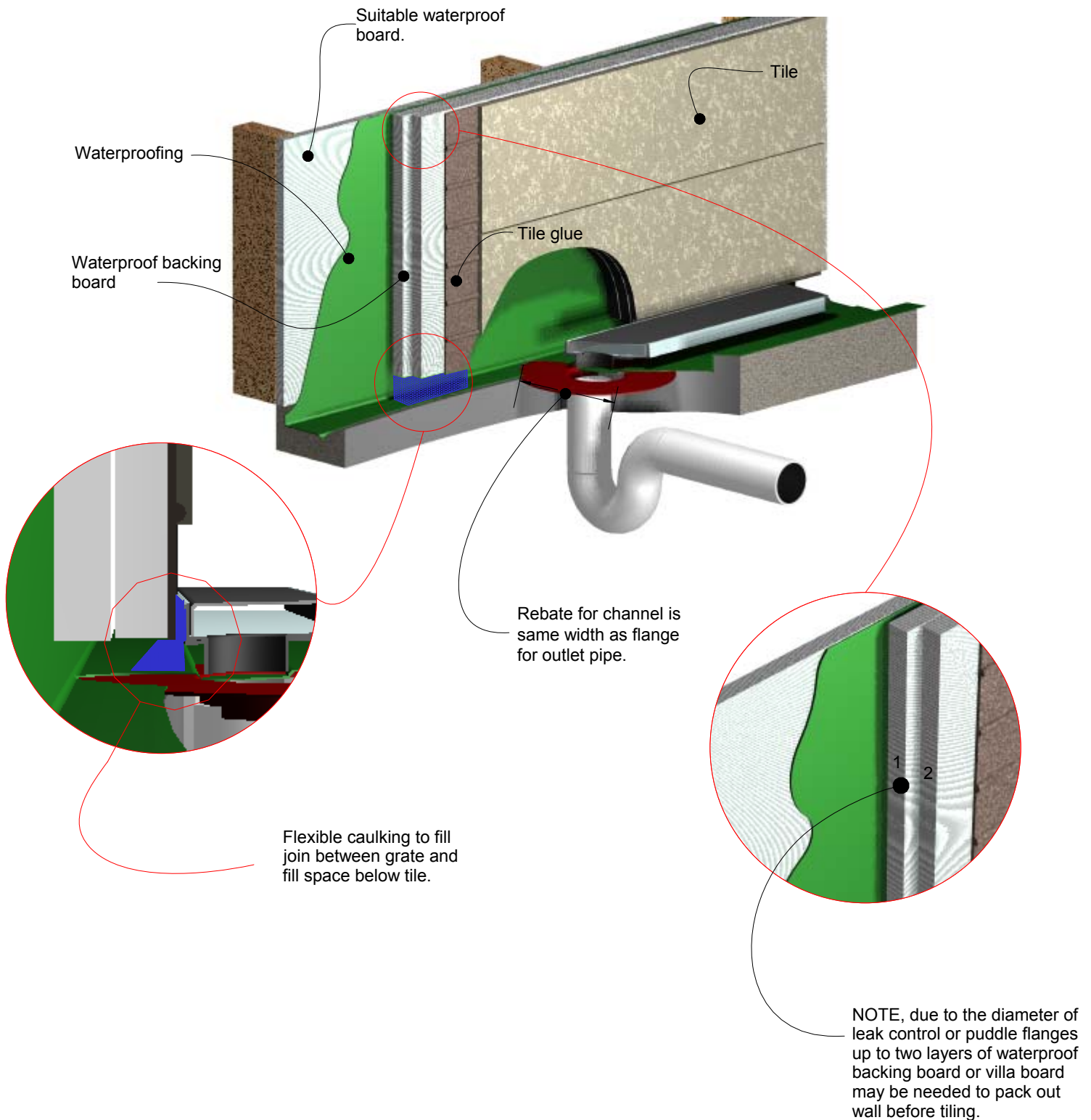Rebate created in sheeting.

membrane
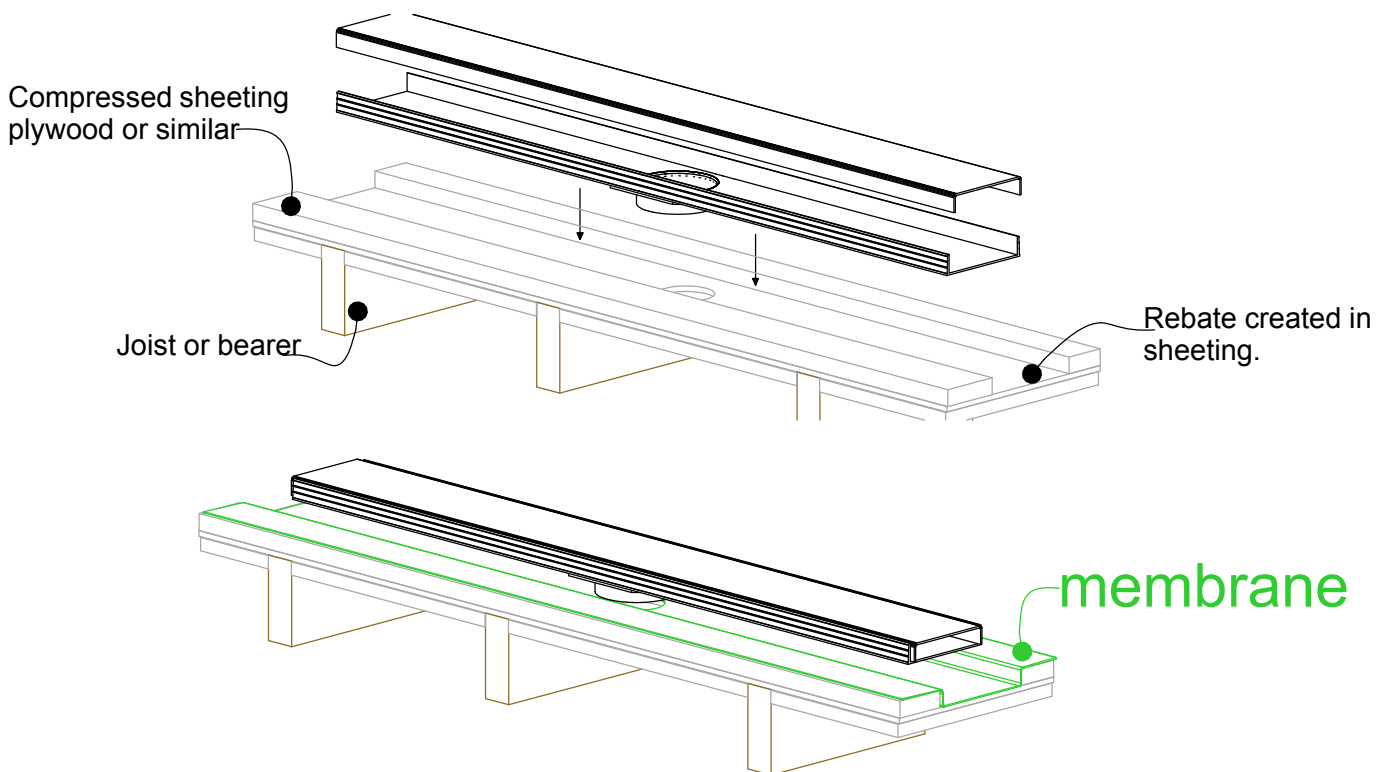
NOTE: For exterior application allow for expansion of 1mm per metre by using quality suitable flexible sealant on channel joins. Use PVC solvent cement and primer on ends and outlets.

100G20 Against Wall

For 100AR20, 100PS20, 100TR20, 100MND20.

Suitable waterproof board.

Tile

Waterproofing

Tile glue

Waterproof backing board

Rebate for channel is same width as flange for outlet pipe.

Flexible caulking to fill join between grate and fill space below tile.

1 2

NOTE, due to the diameter of leak control or puddle flanges up to two layers of waterproof backing board or villa board may be needed to pack out wall before tiling.

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