STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

Designer Guides

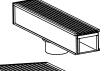


Welcome to Stormtech

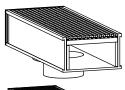
Stormtech specialises in architectural stainless steel lineal drainage solution in a variety of areas including bathrooms, thresholds, courtyards, paved areas, pool surrounds, and balconies.

Stormtech are the inventors of the original Slot Drain and lineal drains for showers.

Stormtech Pty Ltd Slim Line Grates and Drains are patented and unique in their efficiency and adaptability. Allowing for both new building and retrofit for renovations, they provide a beautiful finish with ease of access for architectural requirements or assisted movement access. Further, they connect directly with all standard plumbing fittings, and have Standards Australia International certification.



1. 38mm Architectural Grate



2. 65mm Architectural Grate



3. 65mm All Stainless



4. 100mm Architectural Grate



5. 38mm Perforated Grate



6. 65mm Perforated Grate







7. 65 Tile Insert Frame



8. 100 Tile Insert Frame



9. Slot drain



10. Special Assembly





12. Vinyl Clamp

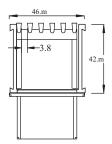


STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

38AG Product Information



Product Diagram



38AG

38mm wide Architectural Stainless Steel grate with PVC channel

Product Description

This innovative product removes water from the trench along its length using one or more outlets, improving efficiency of the drain, removing far larger quantities of water than would otherwise be possible.

When large format tiles are selected, Stormtech is an essential component, as it removes the need to crosscut the tiles.

When used in bathrooms, particularly shower areas the slope of the floor can be made into a uniform direction, without the multiple fall required when using central floor drains. This increases safety significantly by allowing the use of non slip tiles, reducing the amount of water pooling on the floor surface and removing the need for steps, hobs and frames, thus reducing trip hazards.

The 316 stainless steel grate provides a prestige finish with design flexibility to allow it to be used in contemporary or classic styles.

Product Applications

- Bathrooms
- Suspended Slabs and Balconies
- Thresholds and Doortracks
- Driveways
- Pools and Paved Areas
- Patios, Courtyards and Terraces
- Commercial Applications and Large Scale Projects
- Special Needs Access

Pages:

- 1, assembly instruction
- 2, installation timber substrate
- 3, installation concrete substrate
- 4, installation bathroom
- 5, installation threshold
- 6, installation against wall

http://www.stormtech.com.au/38ag.html





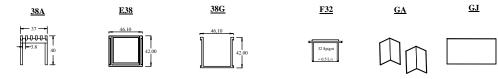


38A

www.stormtech.com.au

38AG Assembly Instructions

38AG components



Cut the grate with the 32 tooth hack-saw E38 PVC cement the E38 to the 38G Stop End Use the 37mm hole saw to cut hole for F32

PVC cement to F32 to the 38G

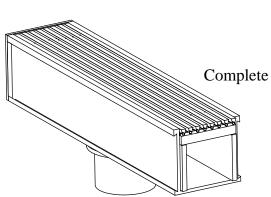
STEP 1 Cut the 38G channel to size. When measuring allow 5mm less for the E38 stop ends to fit, ie if 900mm is required, cut channel to 895mm.

STEP 2 Fit the E38 stop ends to the ends of the channel. Use the Clear PVC solvent cement to fix, ensure a tight fit with no gaps.

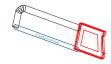
STEP 3 Cut outlet hole. Use a 37mm holesaw, with arbor to cut a hole in the base of the 38G channel. This hole should preferably be in the centre, however some offset is possible.

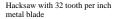
STEP 4 Fix the F32 to the underside of the 38G with Clear PVC solvent cement. Ensure clean fit into channel.

STEP 5 Cut the 38A grate to size. Use the 32 tooth hacksaw and cut by hand. Enure cut is square. Gently file back rough edges for safety. NOTE, cut grate 2mm shorter than inside dimension of channel to ensure easy removal for cleaning.



Specific tools required





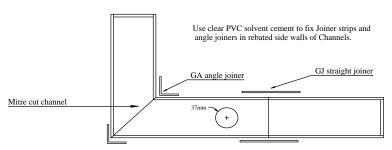


Drill with 37mm hole saw, arbor is suggested



Clear PVC solvent

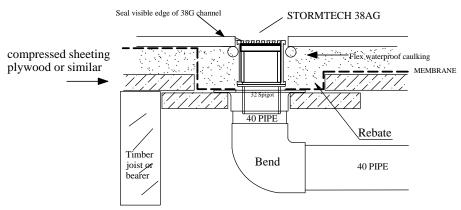
Straight joins and angle joins



www.stormtech.com.au

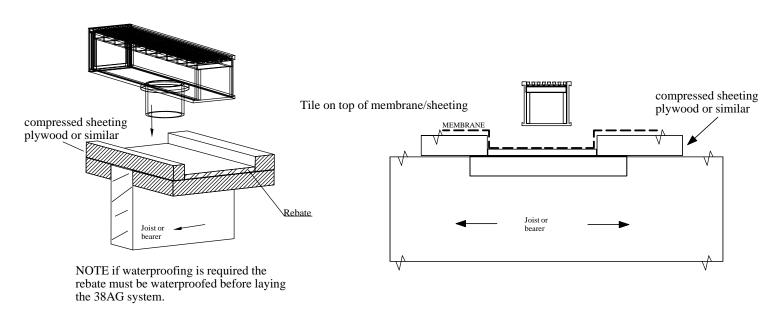
38AG TIMBER FLOOR/DECK Standard installation

When 38AG is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 38AG is running perpendicular to joist/bearer

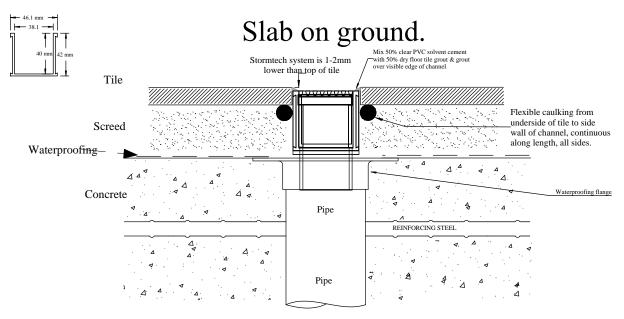


An F32 spigot fits in a 40 DWV pipe and should drain 0.5 L/s....... We recommend these Spigots every 1m.. not more than 0.5m from end. The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

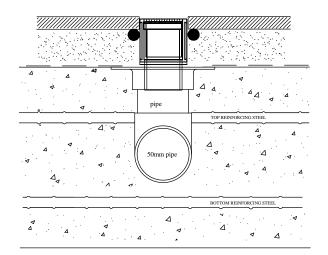
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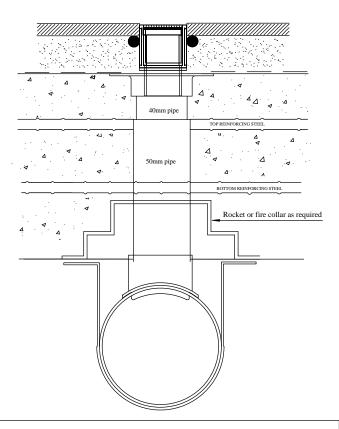
www.stormtech.com.au

38AG CONCRETE FLOOR/DECK Standard installation



Suspended Slab



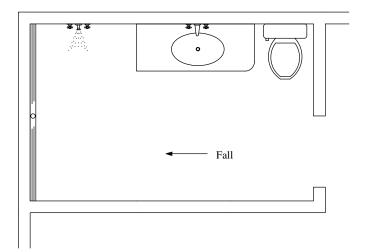


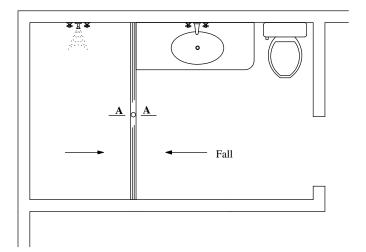
An F32 spigot fits in a 40 DWV pipe and should drain 0.5 L/s....... We recommend these Spigots every 1m, not more than 0.5m from end.

The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

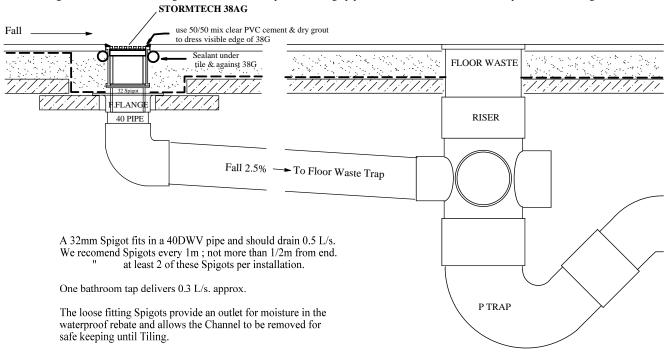
BATHROOM 38AG

www.stormtech.com.au





This design conforms with Plumbing Code AS3500 that requires discharge pipes be connected to a floor waste trap with removable grate.



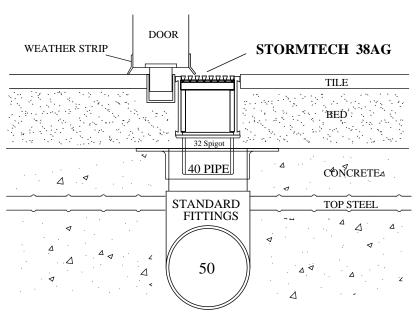
Installations in suspended floors, should be in a waterproof rebate.



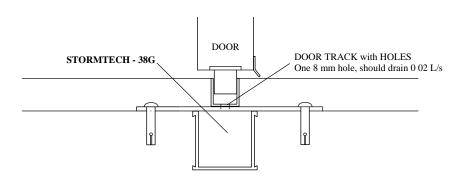
(Patent 733361)

www.stormtech.com.au

38AG THRESHOLD



Provide access to drain pipes for cleaning.

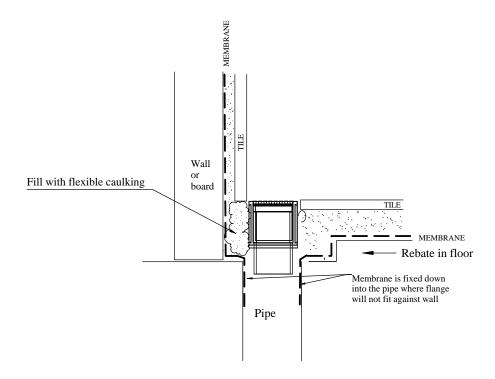


Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

www.stormtech.com.au

38AG Against Wall



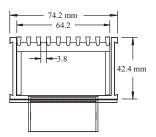
STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

65AG Product Information

http://www.stormtech.com.au/65ag.html



Product Diagram



65AG

65mm Architectural Stainless Steel grate with PVC channel

Product Description

This innovative product removes water from the trench along its length using one or more outlets, improving efficiency of the drain, removing far larger quantities of water than would otherwise be possible.

When large format tiles are selected, Stormtech is an essential component, as it removes the need to crosscut the tiles.

When used in bathrooms, particularly shower areas the slope of the floor can be made into a uniform direction, without the multiple fall required when using central floor drains. This increases safety significantly by allowing the use of non-slip tiles, reducing the amount of water pooling on the floor surface and removing the need for steps, hobs and frames, thus reducing trip hazards.

The 316 stainless steel grate provides a prestige finish with design flexibility to allow it to be used in contemporary or classic styles.

Product Applications

Bathrooms

Suspended Slabs and Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

- 1. assembly instruction
- 2. installation timber substrate
- 3. installation concrete substrate
- 4. installation bathroom
- 5. installation threshold
- 6. installation against wall



Design Mark Winner Australian International DESIGN AWARDS



Cut the grate with the 32 tooth hack-saw E65 PVC cement the E65 to the 65G Use the 51mm hole saw to cut hole for F65 PVC cement to F65 to the 65G

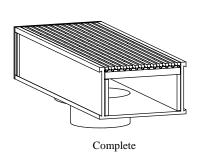
STEP 1 Cut the 65G channel to size. When measuring allow 5mm less for the E65 stop ends to fit, ie if 900mm is required, cut channel to 895mm.

STEP 2 Fit the E65 stop ends to the ends of the channel. Use the Clear PVC solvent cement to fix, ensure a tight fit with no gaps.

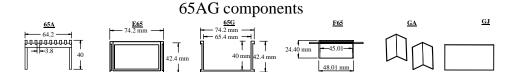
STEP 3 Cut outlet hole. Use a 51mm holesaw, with arbor to cut a hole in the base of the 65G channel. This hole should preferably be in the centre, however some offset is possible.

STEP 4 Fix the F65 to the underside of the 65G with Clear PVC solvent cement. Ensure clean fit into channel.

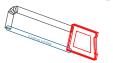
STEP 5 Cut the 65A grate to size. Use the 32 tooth hacksaw and cut by hand. Enure cut is square. Gently file back rough edges for safety. NOTE, cut grate 2mm shorter than inside dimension of channel to ensure easy removal for cleaning.



65AG Assembly Instructions



Specific tools required



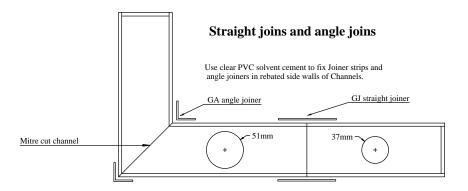
Hacksaw with 32 tooth per inch metal blade



Drill with 51mm or 2" hole saw, arbor is suggested



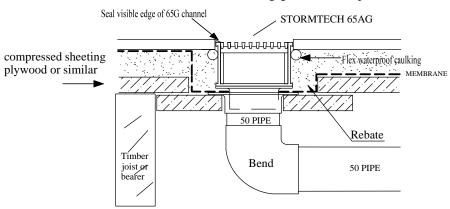
Clear PVC solvent cement



www.stormtech.com.au

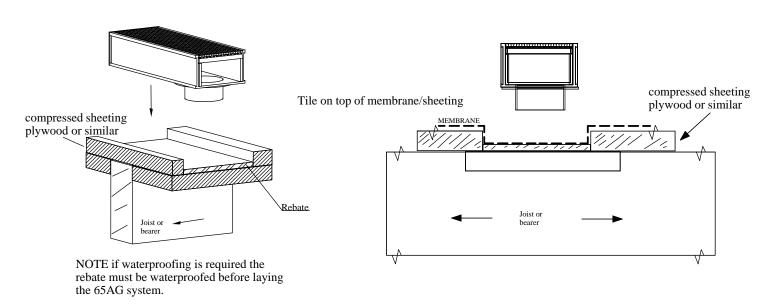
65AG TIMBER FLOOR/DECK Standard installation

When 65AG is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 65AG is running perpendicular to joist/bearer



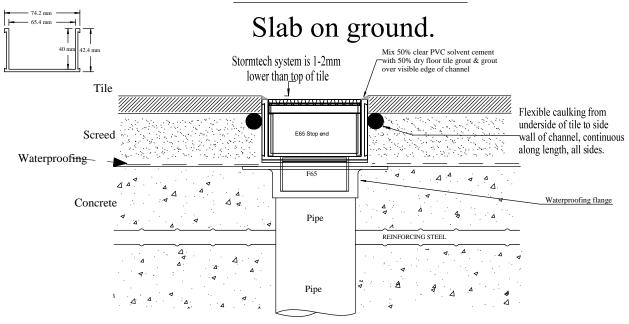
An F65 spigot fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

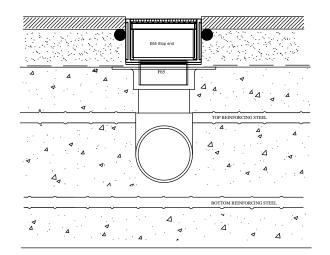
www.stormtech.com.au

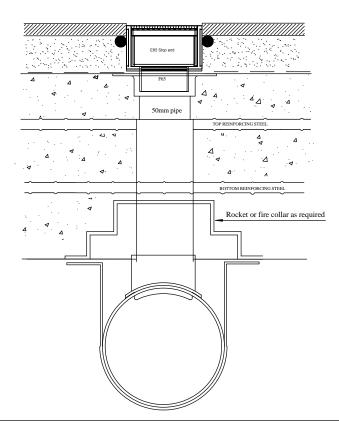
65AG CONCRETE FLOOR/DECK

Standard installation



Suspended Slab



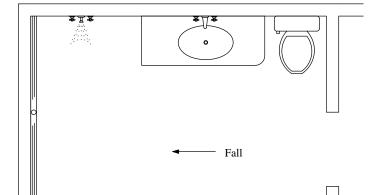


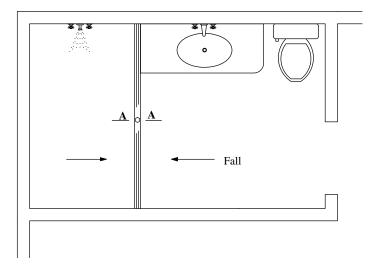
An F65 spigot fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

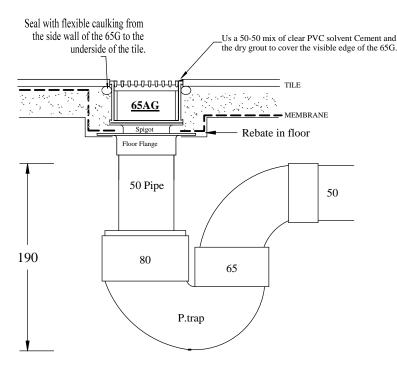
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

BATHROOM 65AG

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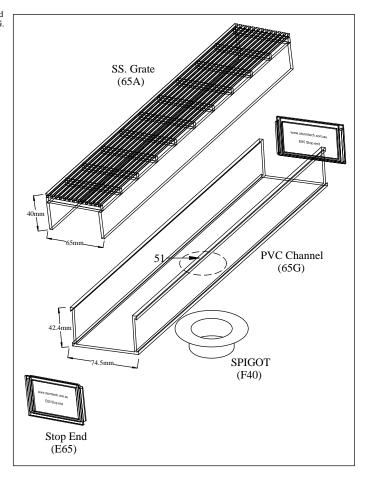
This design conforms with Plumbing Code AS3500

The loose fitting Spigot provides an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

The F40 Spigot fits in a 50DWV pipe and should drain 1 L/s

One bathroom tap delivers 0.3 litres/sec maximum.





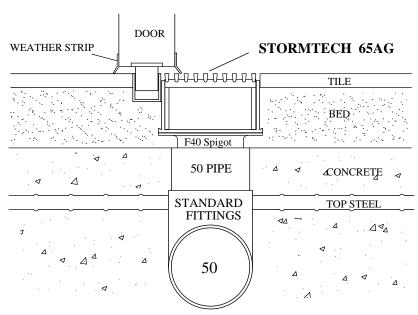
Drill 51mm hole and glue Spigot to bottom of Channel with clear PVC solvent cement.

Install the P.trap & fittings as per the Plumbing Code of Australia AS3500.

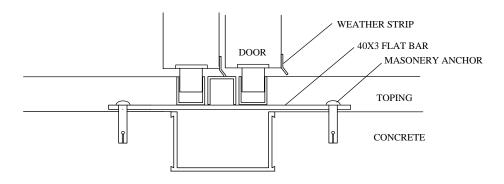
Patent 733361.

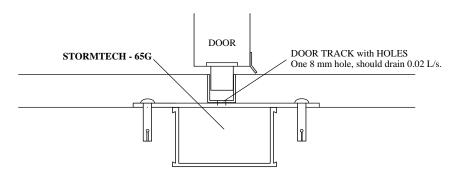
www.stormtech.com.au

THRESHOLD



Provide access to drain pipes for cleaning.

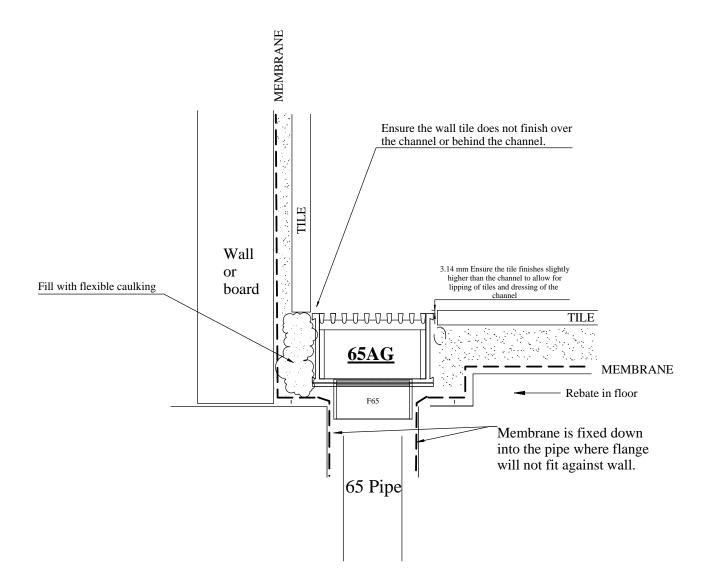




Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

65AG Against Wall



Product Care.

Stormtech use high quality stainless steel in the fabrication of our grates.

Care of the product is easy, simply remove the grates periodically, ie every three to six months and remove collected debris, and clear out the channel.

If in a severe environment the grate shows signs of staining most stainless steel cleaner/protector products will remove it.

Stainless steel is tough, but not magic. Without regular maintenance it will not stay in prime condition.

maii: <u>info@stormtech.com.a</u> www.stormtech.com.au

STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

65AS Product Information

http://www.stormtech.com.au/65as.html

65AS

65mm Architectural Stainless Steel grate with stainless steel channel

Product Description

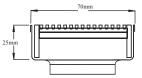
This innovative product removes water from the trench along its length using one or more outlets, improving efficiency of the drain, removing far larger quantities of water than would otherwise be possible.

When large format tiles are selected, Stormtech is an essential component, as it removes the need to crosscut the tiles.

When used in bathrooms, particularly shower areas the slope of the floor can be made into a uniform direction, without the multiple fall required when using central floor drains. This increases safety significantly by allowing the use of non-slip tiles, reducing the amount of water pooling on the floor surface and removing the need for steps, hobs and frames, thus reducing trip hazards.

The 304 stainless steel grate provides a prestige finish with design flexibility to allow it to be used in contemporary or classic styles.

Product Diagram



Product Applications

Bathrooms

Suspended Slabs and Balconies

Thresholds and Doortracks

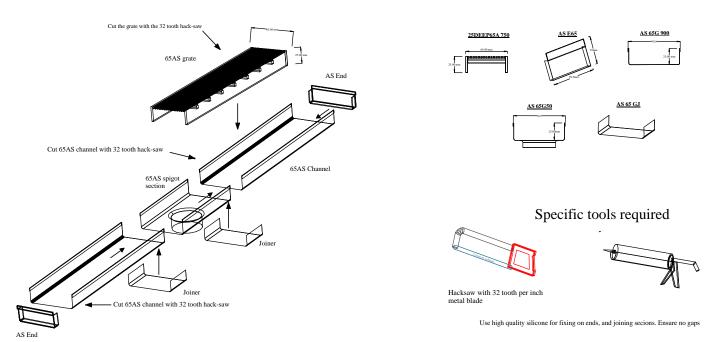
Commercial Applications and Large Scale Projects

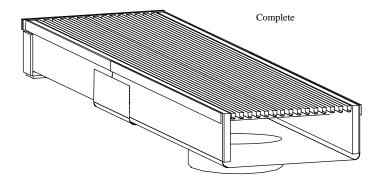
Special Needs Access

Pages:

- 1. assembly instruction
- 2. installation timber substrate
- 4. installation bathroom

65AS components





STEP 1, lay out the components in the intended area of installation.

STEP 2, Position the AS65G50 spigot section above the pipe/outlet in floor. Ensure spigot fits inside the pipe. If spigot does not fit inside pipe, make an extension using PVC or stainless steel pipe.

STEP 3, Using a 32 tooth hack-saw, cut the AS65G channel to the size required, less the length of the spigot section.

STEP 4, Check all measures & alignment.

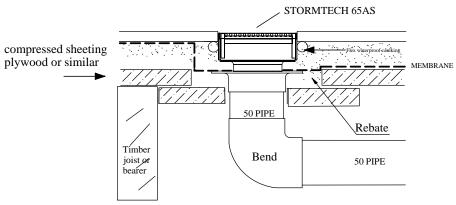
STEP 5, Using a high quality silicone, join the channel and spigot sections with the joiners. Ensure no gaps, & no lips inside the channel. Repeat to fix on the end caps.

STEP 6, Using a 32 tooth hack-saw blade, cut the grate to size. Ensure the grate is not too tight in the channel to allow for easy removal.

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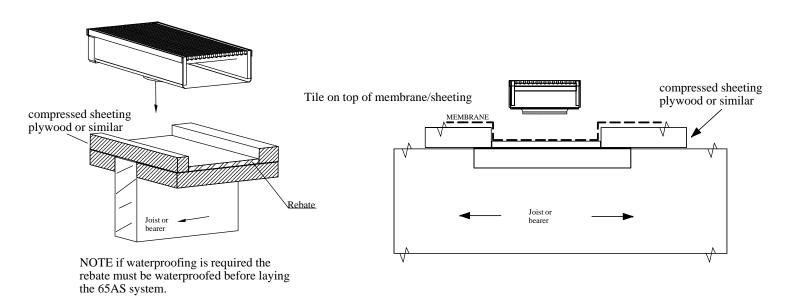
65AS TIMBER FLOOR/DECK Standard installation

When 65AS is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 65AS is running perpendicular to joist/bearer

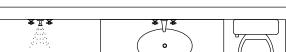


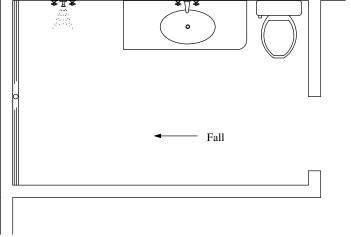
The 65AS spigot fits in a 50 DWV pipe and should drain 0.6 L/s........ We recommend these Spigots every 1m.. not more than 0.5m from end.

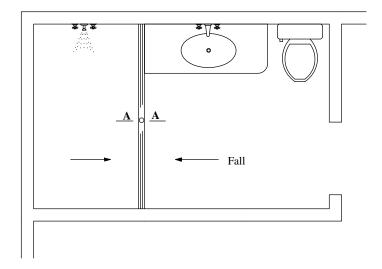
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

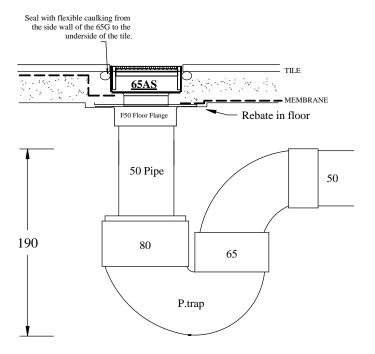
BATHROOM 65AS

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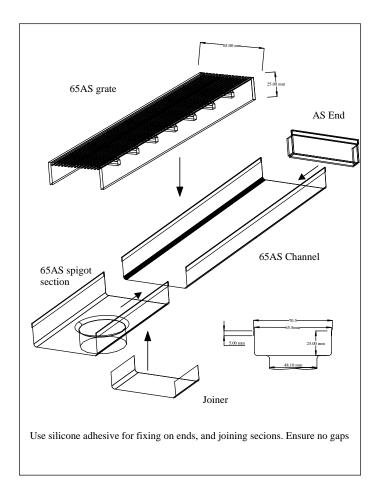


This design conforms with Plumbing Code AS3500

The loose fitting Spigot provides an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

The 50mm Spigot fits in a 50DWV pipe and should drain 0.7 L/s

One bathroom tap delivers 0.3 litres/sec maximum.



Install the P.trap & fittings as per the Plumbing Code of Australia AS3500.

Patent 733361.

STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

100AG Product Information



100AG

100mm wide Architectural Stainless Steel grate with PVC channel

Product Description

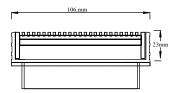
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Product Diagram



Product Applications

Bathrooms

Suspended Slabs and Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

- 1, assembly instruction
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- 5, installation threshold
- 6, installation against wall

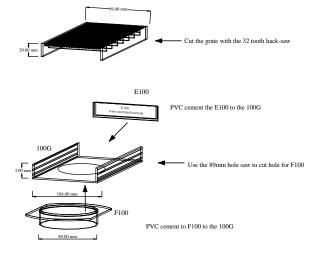
http://www.stormtech.com.au/100ag.html

Design Mark Winner
Australian International
DESIGN AWARDS



www.stormtech.com.au

100AG Assembly Instructions



STEP 1 Cut the 100G channel to size. When measuring allow 5mm less for the E100 stop ends to fit, ie if 900mm is required, cut channel to 895mm.

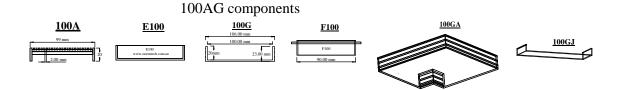
STEP 2 Fit the E100 stop ends to the ends of the channel. Use the Clear PVC solvent cement to fix, ensure a tight fit with no gaps.

STEP 3 Cut outlet hole. Use an 89mm holesaw, with arbor to cut a hole in the base of the 100G channel. This hole should preferably be in the centre, however some offset is possible.

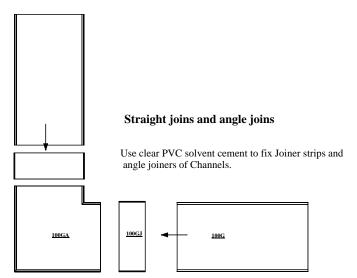
STEP 4 Fix the F100 to the underside of the 100G with Clear PVC solvent cement. Ensure clean fit into channel.

STEP 5 Cut the 100A grate to size. Use the 32 tooth hacksaw and cut by hand. Enure cut is square. Gently file back rough edges for safety. NOTE, cut grate 2mm shorter than inside dimension of channel to ensure easy removal for cleaning.





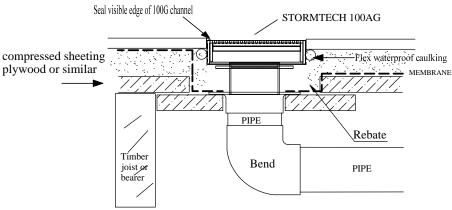




www.stormtech.com.au

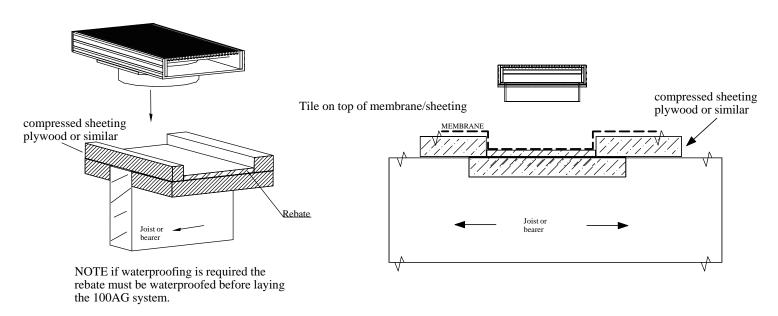
100AG TIMBER FLOOR/DECK Standard installation

When 100AG is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 100AG is running perpendicular to joist/bearer



An F100 spigot fits in a 100 DWV pipe and should drain 1.0 L/s........ We recommend these Spigots every 2m.. not more than 1.0m from end.

The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

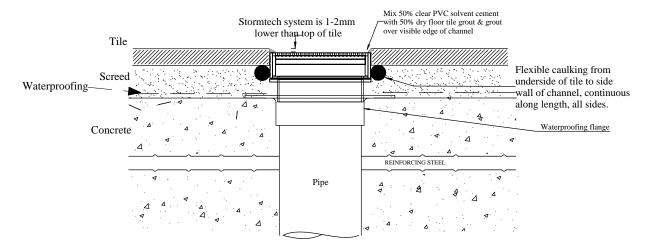
www.stormtech.com.au

100AG CONCRETE FLOOR/DECK

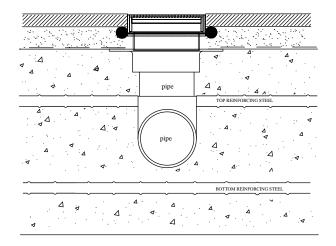
Standard installation

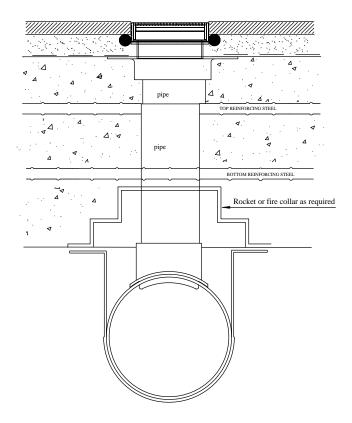


Slab on ground.



Suspended Slab

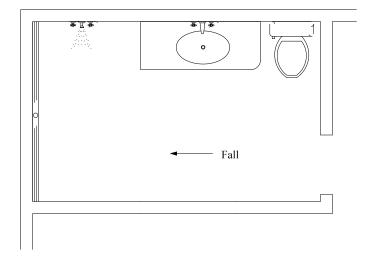


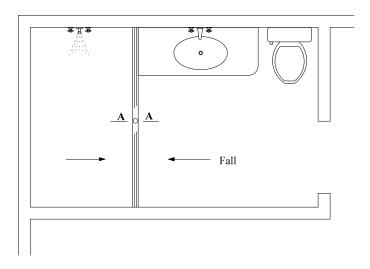


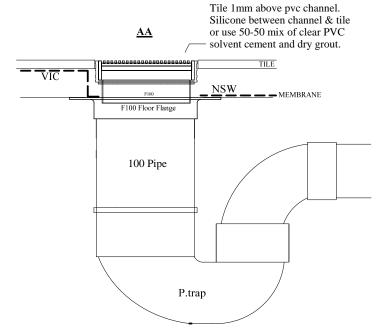
An F100 spigot fits in a 100 DWV pipe and should drain 1.0 L/s........ We recommend these Spigots every 2m.. not more than 1.0m from end. The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

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BATHROOM100AG

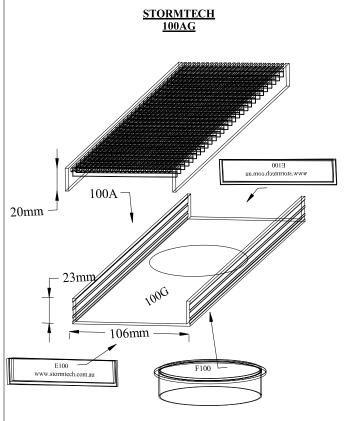






This design conforms with Plumbing Code AS/NZS 3500. The loose fitting spigot prodvides an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

The F100 spigot should drain over 1 litre per second. A bathroom tap delivers $0.3\ l/s$ approx.



Drill 89mm hole and glue Spigot to bottom of Channel with clear PVC solvent cement.

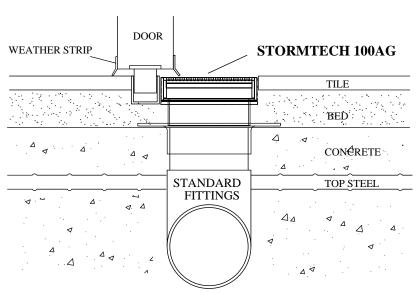
Fix stop ends (E100's) with same glue.

When cutting grate, use a 32 tooth per inch hacksaw, & cut by hand. DO NOT use a grinder, cutoff saw etc.

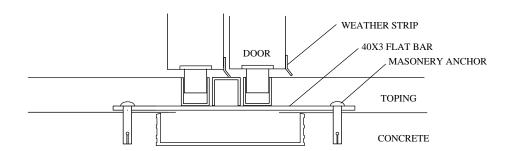
Install the P.trap & fittings as per the Plumbing Code of Australia AS3500.

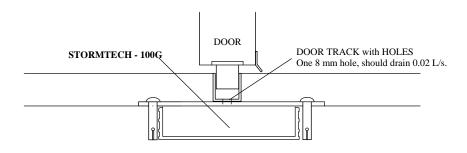
www.stormtech.com.au

THRESHOLD



Provide access to drain pipes for cleaning.



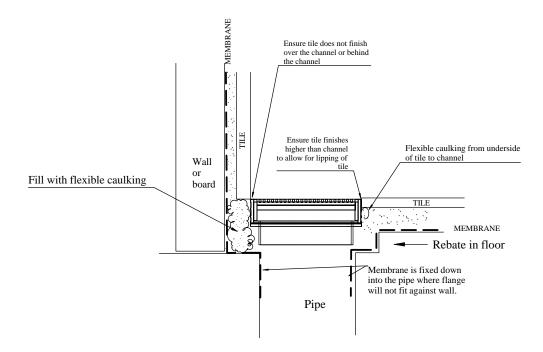


Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

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100AG Against Wall

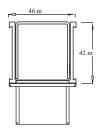


STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

38DG Product Information



Product Diagram



38DG

38mm Wide Perforated Stainless Steel Grate with PVC Channel

Product Description

The perforated finish offers an affordable option to use the Slimline system.

This innovative product removes water from the trench along its length using one or more outlets, improving efficiency of the drain, removing far larger quantities of water than would otherwise be possible.

When large format tiles are selected, Stormtech is an essential component, as it removes the need to crosscut the tiles.

When used in bathrooms, particularly shower areas the slope of the floor can be made into a uniform direction, without the multiple fall required when using central floor drains. This increases safety significantly by allowing the use of non-slip tiles, reducing the amount of water pooling on the floor surface and removing the need for steps, hobs and frames, thus reducing trip hazards.

Product Applications

Bathrooms

Suspended Slabs and Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

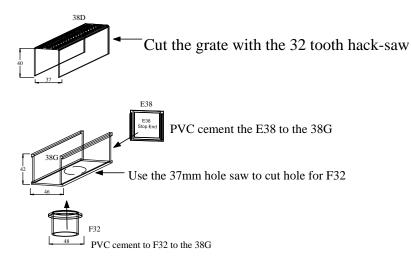
- 1. assembly instruction
- 2. installation timber substrate
- 3. installation concrete substrate
- 4. installation bathroom
- 5. installation threshold
- 6. installation against wall

http://www.stormtech.com.au/38ag.html



www.stormtech.com.au

38DG Assembly Instructions



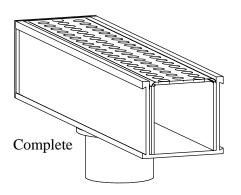
STEP 1 Cut the 38G channel to size. When measuring allow 5mm less for the E38 stop ends to fit, ie if 900mm is required, cut channel to 895mm.

STEP 2 Fit the E38 stop ends to the ends of the channel. Use the Clear PVC solvent cement to fix, ensure a tight fit with no gaps.

STEP 3 Cut outlet hole. Use a 37mm holesaw, with arbor to cut a hole in the base of the 38G channel. This hole should preferably be in the centre, however some offset is possible.

STEP 4 Fix the F32 to the underside of the 38G with Clear PVC solvent cement. Ensure clean fit into channel.

STEP 5 Cut the 38D grate to size. Use the 32 tooth hacksaw and cut by hand. Enure cut is square. Gently file back rough edges for safety. NOTE, cut grate 2mm shorter than inside dimension of channel to ensure easy removal for cleaning.









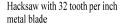






Specific tools required





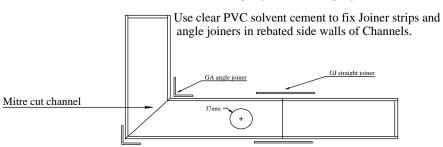


Drill with 37mm hole saw, arbor is suggested



Clear PVC solvent cement

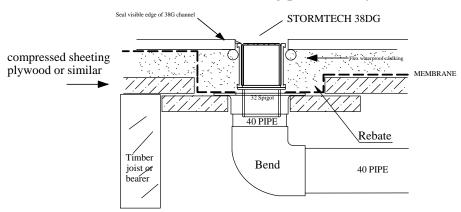
Straight joins and angle joins



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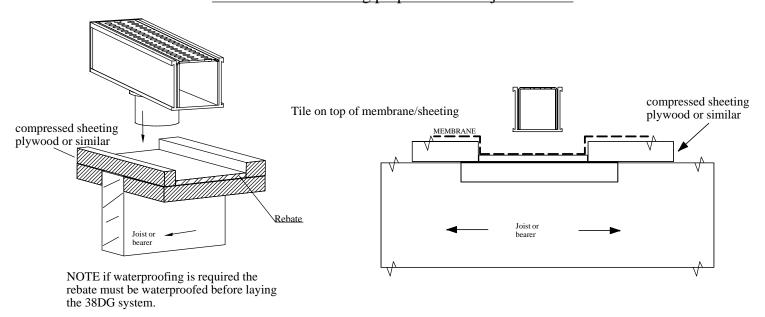
38DG TIMBER FLOOR/DECK Standard installation

When 38DG is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 38DG is running perpendicular to joist/bearer



A 40 Flange fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end. The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

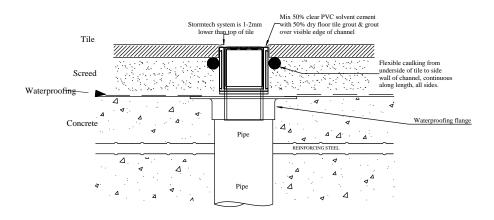
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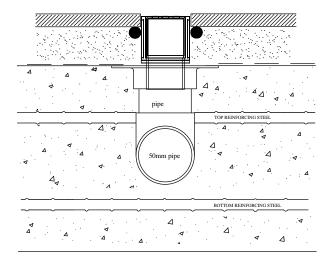
38<u>DG CONCRETE FLOOR/DEC</u>K Standard installation

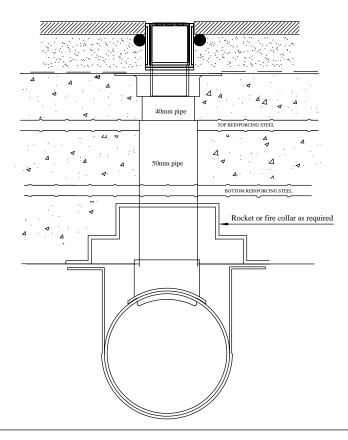


Slab on ground.



Suspended Slab





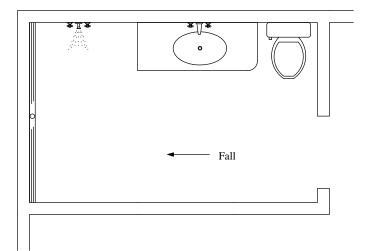
An F32 spigot fits in a 40 DWV pipe and should drain 0.5 L/s....... We recommend these Spigots every 1m, not more than 0.5m from end.

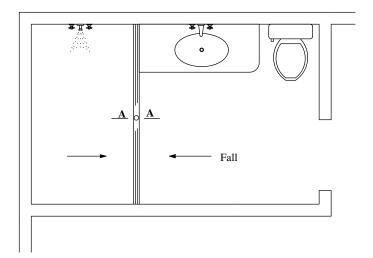
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

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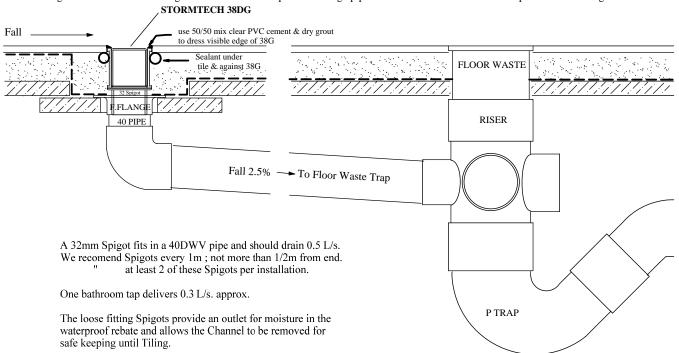
BATHROOM 38DG

www.stormtech.com.au





This design conforms with Plumbing Code AS3500 that requires discharge pipes be connected to a floor waste trap with removable grate.



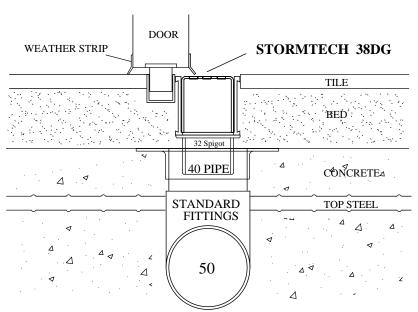
Installations in suspended floors, should be in a waterproof rebate.



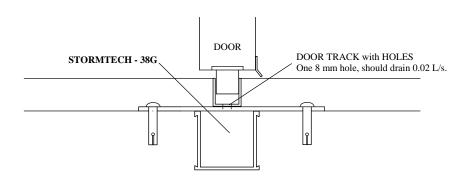
(Patent 733361)

www.stormtech.com.au

38DG THRESHOLD



Provide access to drain pipes for cleaning.

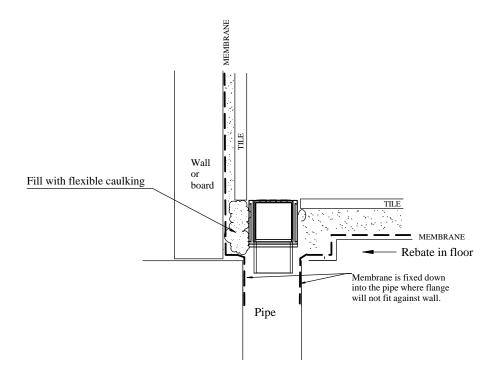


Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

www.stormtech.com.au

38DG Against Wall



Product Care.

Stormtech use high quality stainless steel in the fabrication of our grates.

Care of the product is easy, simply remove the grates periodically, ie every three to six months and remove collected debris, and clear out the channel.

If in a severe environment the grate shows signs of staining most stainless steel cleaner/protector products will remove it.

Stainless steel is tough, but not magic. Without regular maintenance it will not stay in prime condition.

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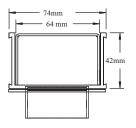
STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

65DG Product Information

http://www.stormtech.com.au/38ag.html



Product Diagram



65DG

65mm Perforated Stainless Steel Grate with PVC Channel

Product Description

The perforated finish offers an affordable option to use the Slimline system.

This innovative product removes water from the trench along its length using one or more outlets, improving efficiency of the drain, removing far larger quantities of water than would otherwise be possible.

When large format tiles are selected, Stormtech is an essential component, as it removes the need to crosscut the tiles.

When used in bathrooms, particularly shower areas the slope of the floor can be made into a uniform direction, without the multiple fall required when using central floor drains. This increases safety significantly by allowing the use of non-slip tiles, reducing the amount of water pooling on the floor surface and removing the need for steps, hobs and frames, thus reducing trip hazards.

Product Applications

Bathrooms

Suspended Slabs and Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

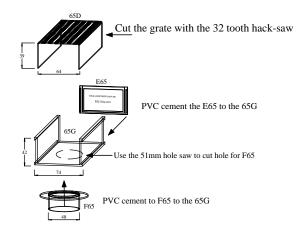
- 1. assembly instruction
- installation timber substrate
- 3. installation concrete substrate
- 4. installation bathroom
- 5. installation threshold
- 6. installation against wall





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65DG Assembly Instructions



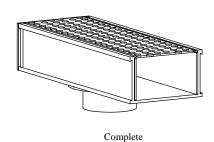
STEP 1 Cut the 65G channel to size. When measuring allow 5mm less for the E65 stop ends to fit, ie if 900mm is required, cut channel to 895mm.

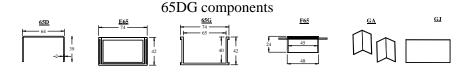
STEP 2 Fit the E65 stop ends to the ends of the channel. Use the Clear PVC solvent cement to fix, ensure a tight fit with no gaps.

STEP 3 Cut outlet hole. Use a 51mm holesaw, with arbor to cut a hole in the base of the 65G channel. This hole should preferably be in the centre, however some offset is possible.

STEP 4 Fix the F65 to the underside of the 65G with Clear PVC solvent cement. Ensure clean fit into channel.

STEP 5 Cut the 65D grate to size. Use the 32 tooth hacksaw and cut by hand. Enure cut is square. Gently file back rough edges for safety. NOTE, cut grate 2mm shorter than inside dimension of channel to ensure easy removal for cleaning.





Specific tools required



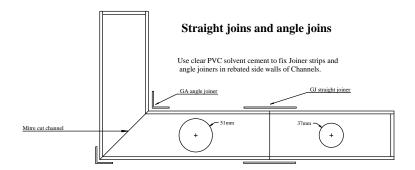
Hacksaw with 32 tooth per inch metal blade



Drill with 51mm or 2" hole saw, arbor is suggested



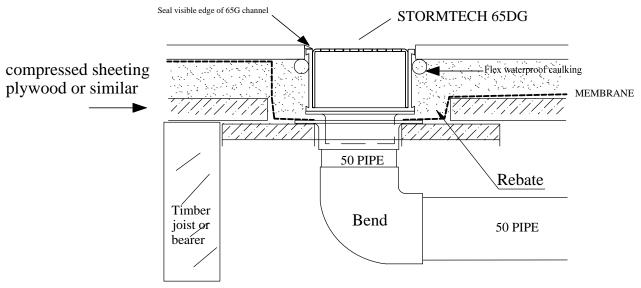
Clear PVC solvent cement



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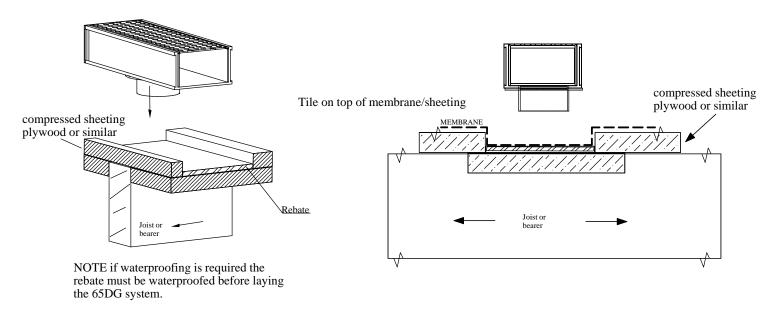
65DG TIMBER FLOOR/DECK Standard installation

When 65DG is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 65DG is running perpendicular to joist/bearer



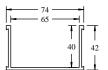
An F65 spigot fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

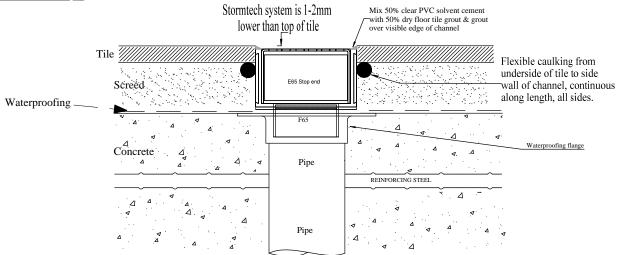
www.stormtech.com.au

65DG CONCRETE FLOOR/DECK

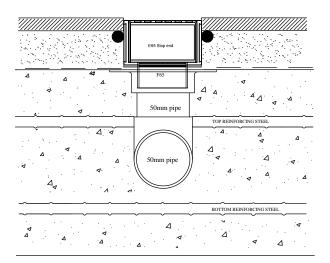
Standard installation

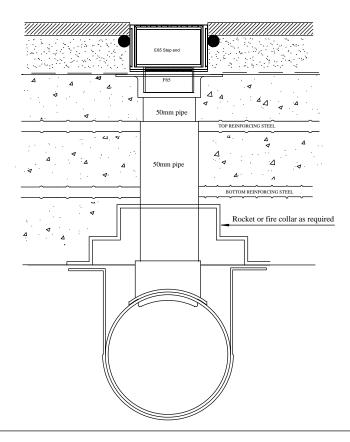


Slab on ground.



Suspended Slab



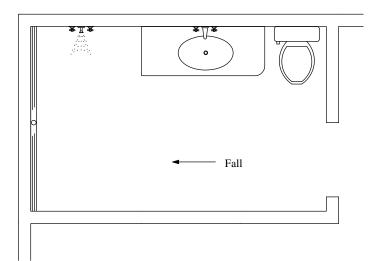


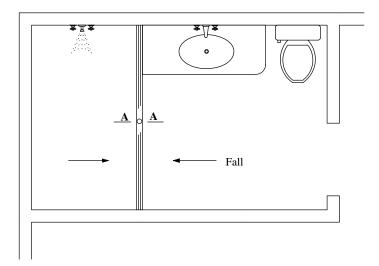
An F65 spigot fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

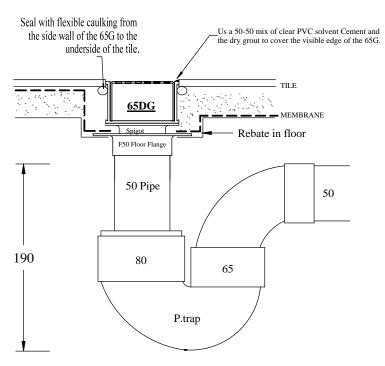
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

BATHROOM 65DG

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SS. Grate (65D)

SS. Grate (65D)

PVC Channel (65G)

SS. Grate (65D)

SS.

This design conforms with Plumbing Code AS3500

The loose fitting Spigot provides an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

The F40 Spigot fits in a 50DWV pipe and should drain 1 L/s

One bathroom tap delivers 0.3 litres/sec maximum.



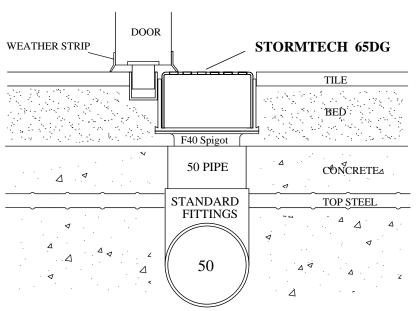
Drill 51mm hole and glue Spigot to bottom of Channel with clear PVC solvent cement. Install the P.trap & fittings as per the Plumbing Code of Australia AS3500.

(E65)

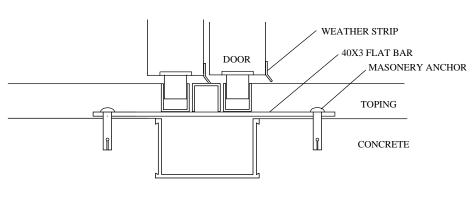
Patent 733361.

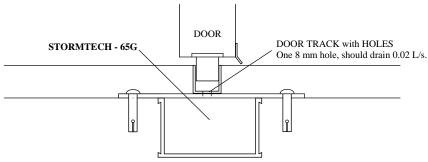
www.stormtech.com.au

THRESHOLD



Provide access to drain pipes for cleaning.

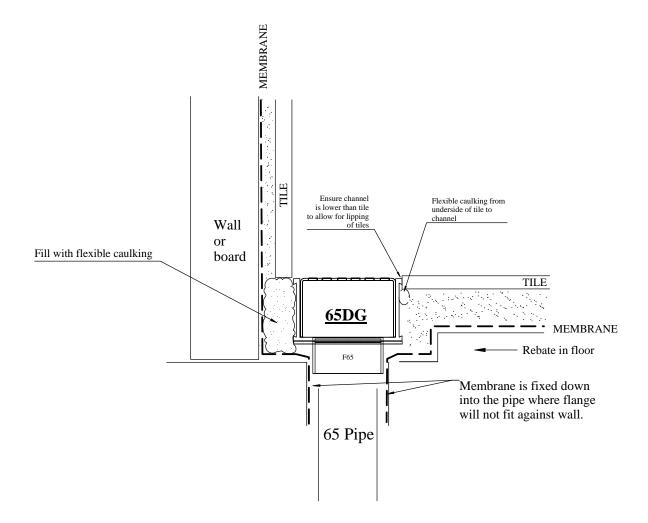




Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

65DG Against Wall



Product Care.

Stormtech use high quality stainless steel in the fabrication of our grates.

Care of the product is easy, simply remove the grates periodically, ie every three to six months and remove collected debris, and clear out the channel.

If in a severe environment the grate shows signs of staining most stainless steel cleaner/protector products will remove it.

Stainless steel is tough, but not magic. Without regular maintenance it will not stay in prime condition.

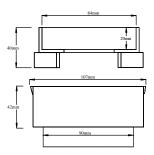
maii: <u>info@stormtech.com.a</u> www.stormtech.com.au

STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

100TIF Product Information



Product Diagram



100TIF

100mm Wide Stainless Steel Tile Insert Frame with PVC

Product Description

The 316 stainless steel frame in which any chosen tile will be inserted allows a complete integration in a tiled area providing a discreet finish with exceptional design flexibility.

The frame accepts any tile to a maximum depth of 20mm.

This innovative product removes water from the trench along its length using one or more outlets, improving efficiency of the drain, removing far larger quantities of water than would otherwise be possible.

When large format tiles are selected, Stormtech is an essential component, as it removes the need to crosscut the tiles.

When used in bathrooms, particularly shower areas the slope of the floor can be made into a uniform direction, without the multiple fall required when using central floor drains. This increases safety by allowing the use of non-slip tiles, reducing the amount of water pooling on the floor surface and removing the need for steps, hobs and frames, thus reducing trip hazards.

Product Applications

Bathrooms

Suspended Slabs and Balconies

Thresholds and Doortracks

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

- 1, installation timber substrate
- 2, installation concrete substrate
- 3, installation bathroom
- 4, installation threshold
- 5, installation against wall

http://www.stormtech.com.au/100tif.html

Design Mark Winner Australian International DESIGN AWARDS



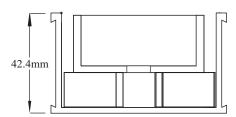
STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

65TIF Product Information

http://www.stormtech.com.au/65tif.html



Product Diagram



65TIF

65mm Stainless Steel Tile Insert Frame with PVC Channel

Product Description

The 316 stainless steel frame in which any chosen tile will be inserted allows a complete integration in a tiled area providing a discreet finish with exceptional design flexibility.

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Product Applications

Bathrooms

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Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

- 1. installation timber substrate
- installation concrete substrate
- 3. installation bathroom
- 4. installation threshold
- 5. installation against wall

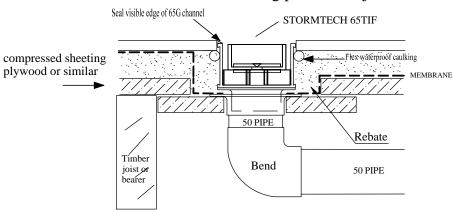




www.stormtech.com.au

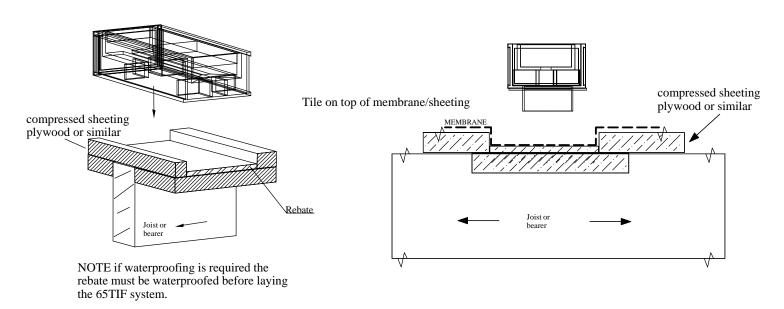
65TIF TIMBER FLOOR/DECK Standard installation

When 65TIF is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

When 65TIF is running perpendicular to joist/bearer

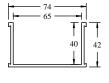


An F65 spigot fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 1m.. not more than 1.0m from end.

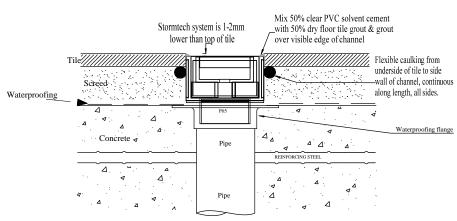
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

www.stormtech.com.au

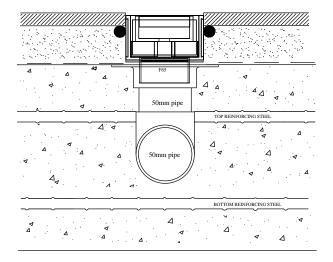
65TIF CONCRETE FLOOR/DECK Standard installation

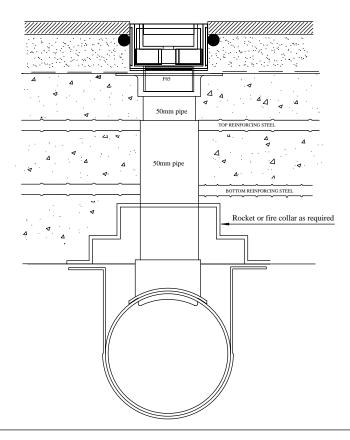


Slab on ground.



Suspended Slab



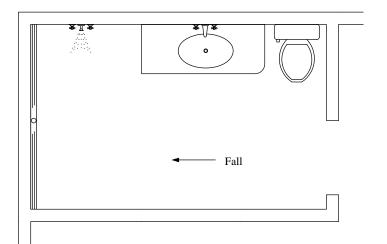


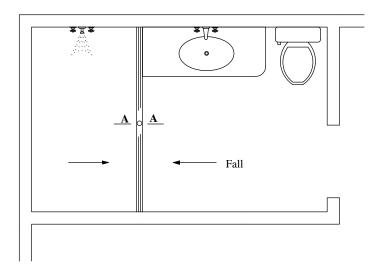
An F65 spigot fits in a 50 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

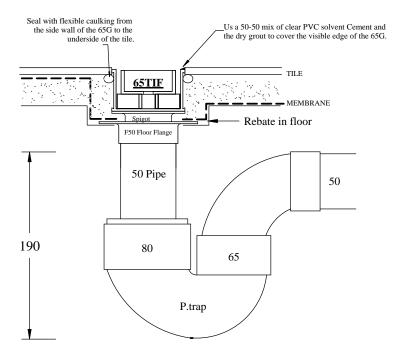
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

BATHROOM 65TIF

www.stormtech.com.au





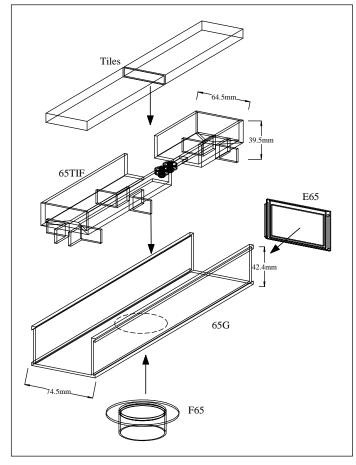




The loose fitting Spigot provides an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

The F40 Spigot fits in a 50DWV pipe and should drain 0.7 L/s

One bathroom tap delivers 0.3 litres/sec maximum.



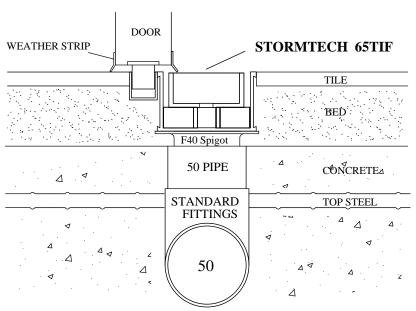
Drill 51mm hole and glue Spigot to bottom of Channel with clear PVC solvent cement.

Install the P.trap & fittings as per the Plumbing Code of Australia AS3500.

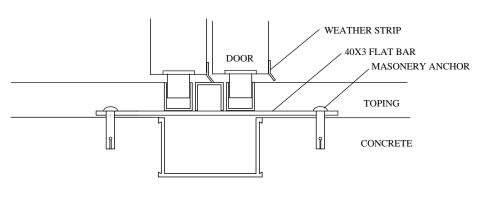
Patent 733361.

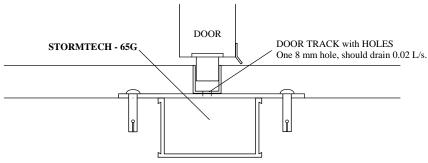
www.stormtech.com.au

THRESHOLD



Provide access to drain pipes for cleaning.



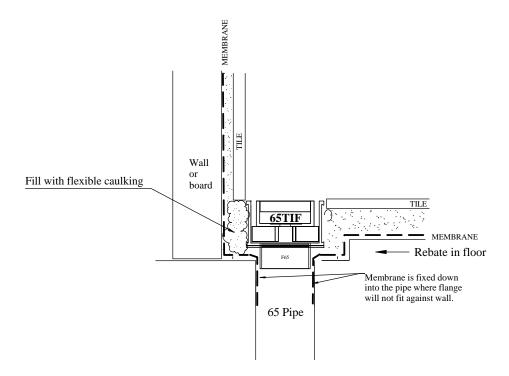


Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

www.stormtech.com.au

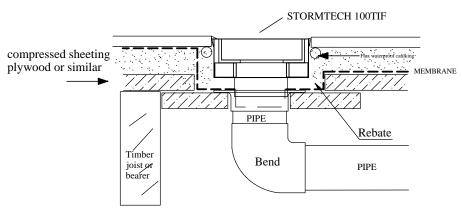
65TIF Against Wall



www.stormtech.com.au

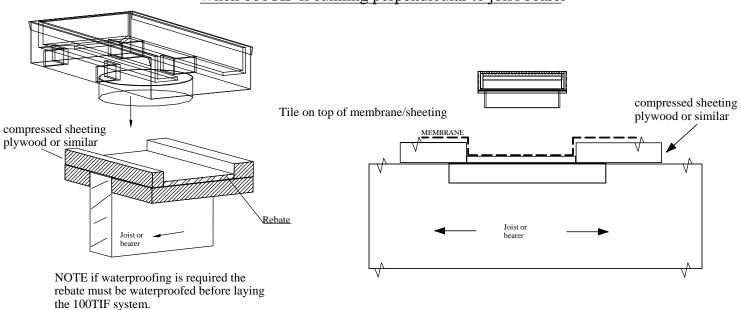
100TIF TIMBER FLOOR/DECK Standard installation

When 100TIF is running parrallel to joist/bearer



Provide access to drain pipes for cleaning

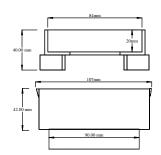
When 100TIF is running perpendicular to joist/bearer



The spigot fits loosely in a 100 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

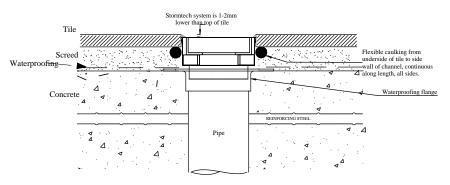
The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

www.stormtech.com.au

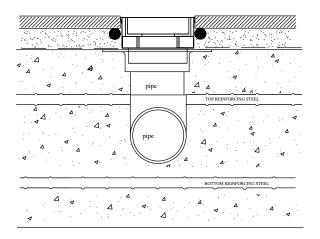


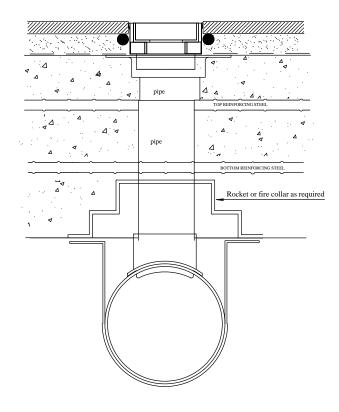
100TIF CONCRETE FLOOR/DECK Standard installation

Slab on ground.



Suspended Slab



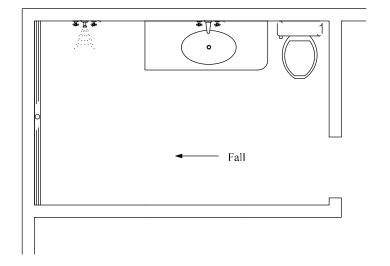


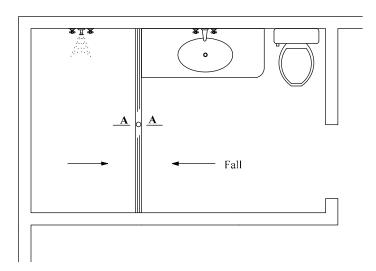
The spigot fits in a 100 DWV pipe and should drain 1.0 L/s....... We recommend these Spigots every 2m.. not more than 1.0m from end.

The loose fitting Spigots provide an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

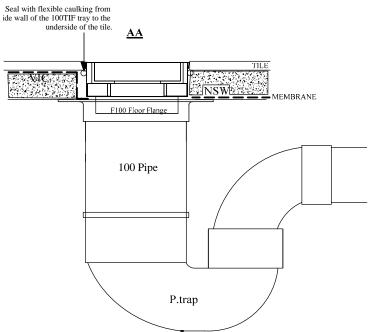
www.stormtech.com.au

BATHROOM 100TIF





STORMTECH 100TIF



This design conforms with Plumbing Code AS/NZS 3500. The loose fitting spigot prodvides an outlet for moisture in the waterproof rebate and allows the Channel to be removed for safe keeping until tiling.

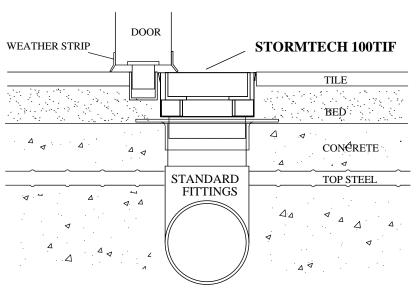
The spigot should drain over 1 litre per second. A bathroom tap delivers 0.3 l/s approx.

NOTE, these dimensions are the internal sizes for the frame FRAME NOTE, these dimensions are overall of the tray TRAY Installation of the tiles is generally best left till floor tiling is completed.

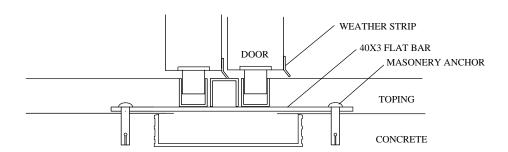
Install the P.trap & fittings as per the Plumbing Code of Australia AS3500.

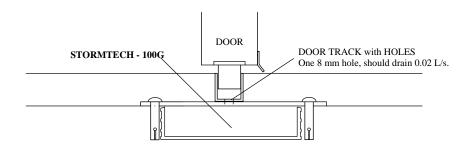
www.stormtech.com.au

THRESHOLD



Provide access to drain pipes for cleaning.



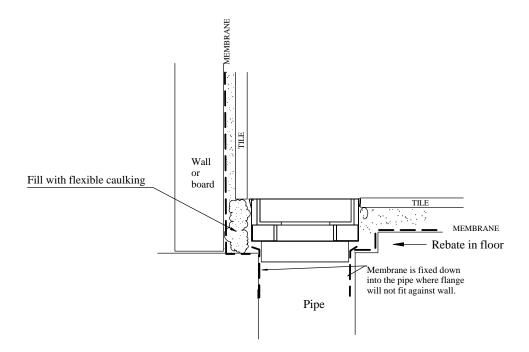


Suggested designs only. Stormtech only supply the PVC drains.

(Patent 733361)

www.stormtech.com.au

100TIF Against Wall

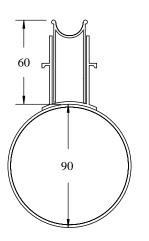


STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

Slot Drain Product Information



Product Diagram



SD

Slot Drain

Product Description

The original Slot Drain is one of the first Stormtech products. It has a 25mm opening on the top with 20 slots draining into a 90mm drain pipe.

The Slot Drain is used for stormwater run-off and also suitable for surface water drainage around garages, driveways, paths, pedestrian and paved areas, courtyards, sporting areas or garden edges.

Product Applications

Driveways

Thresholds and Doortracks

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

- 1. Slot Drain
- 2. Hydraulic Guide



www.stormtech.com.au

SLOT DRAIN

DRAIN FORM 3m long, heavy duty UPVC.

with 20 slots (23 x 130) into pipe.

INSERT colour beige, UV stable UPVC.

Drill holes with dowel bit or pre-drilled.

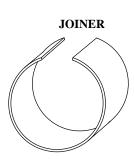
INTAKE 10mm holes @ 50mm = 0.7 L/s. metre

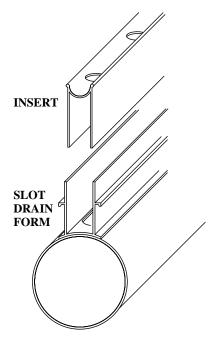
13mm holes @ 50mm = 1.0 L/s. metre 12mm Open slot = 2.0 L/s. metre 25mm Open slot = 4.0 L/s. metre

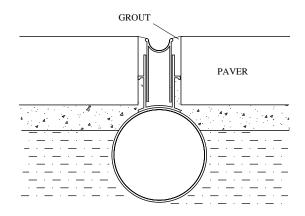
FULL FLOW 6 litres per second.

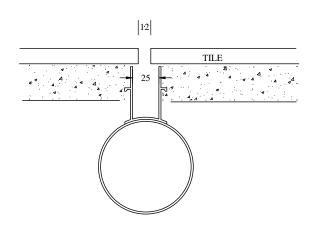
WHEEL LOAD = Concrete / Paving strength.

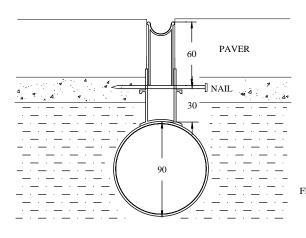
- 1. Glue joiner around pipes & secure with tie wire.
- 2. Use standard 90mm pipe fittings for bends etc.
- 3. Provide assess to drain pipe for cleaning.
- 4. Allow 5mm expansion gap, between Inserts.5. Secure drain, or it will float & move when concreting.
- 6. Lay pavers hard up against Insert, on morter bed.
- 7. Finish concrete/paving 2mm above Insert.

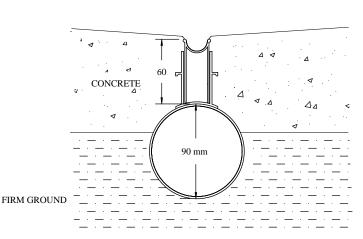






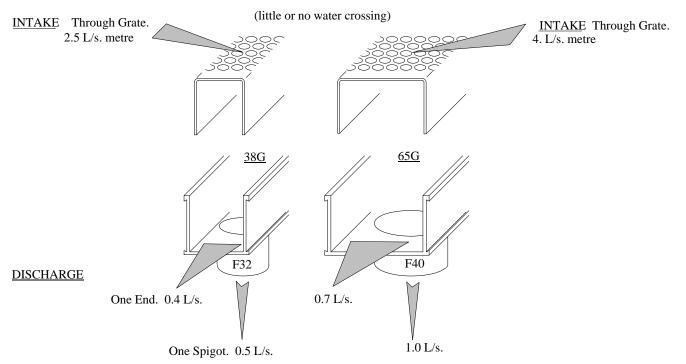


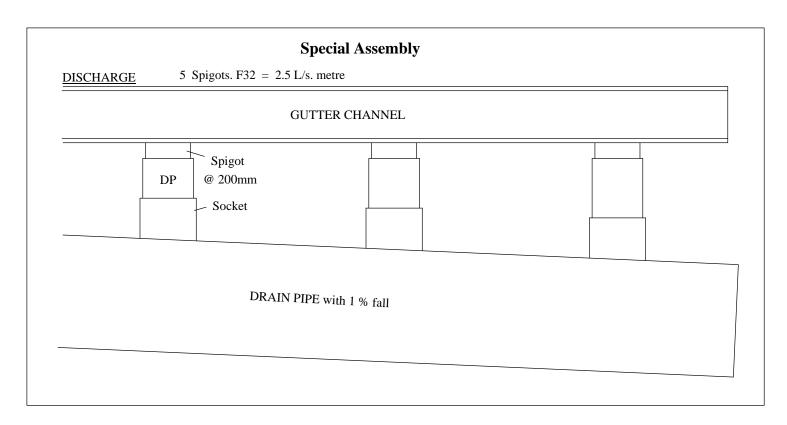




(Patent 626564)

HYDRAULIC GUIDE





Drain Pipes (with 1% fall)

40mm = 0.7 L/s.

50 = 1.5

65 = 2.5

90 = 6100 = 10 150 = 30. L/s. discharge.

 $\frac{AREA}{3600}$ x RAINFALL = L/s.

eg. $\frac{18m}{3600}^2$ x 200mm/hr. = 1 L/s.

Brisbane 20 year = 239mm/hr. 100 year = 312mm/hr. rainfall. Sydney " = 212 " " = 277 "

One Bathroom Tap delivers 0.3 L/s.

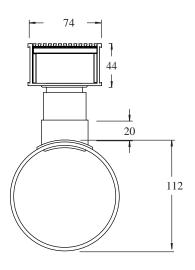
Melbourne " = 91 " = 117 "

STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

65G100 Special Assembly Product Information



Product Diagram



65 G100

Special Assembly (00mm Drainpipe with 65G PVC Channel)

Product Description

The 65G100 Stormtech Special Assembly channel has spigots at 200mm centres connected via downpipes of varying length to sockets in a 100mm drainpipe below.

This allows the channel to be installed level while the drainpipe is given sufficient fall to be self-cleaning.

This product is used in areas in need of superior rates of drainage, where the standard 66 with an outlet every 2 meters will not allow the removal of large enough quantities of water.

To complete the Special Assembly you can either use the 65A Architectural grate or the 65D Perforated grate.

The Special Assembly is the preferred drain for pool surrounds, courtyards and large level areas such as pedestrian areas, sporting grounds or car parks.

Product Applications

Suspended Slabs and Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

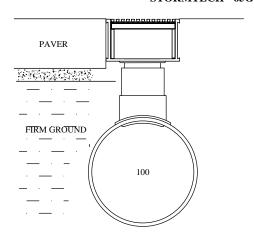
- 1. Slab on ground
- 2. Suspended Slab
- 3. Hydraulic Guide



www.stormtech.com.au

65G100 Special Assembly Slab on Ground

STORMTECH - 65G100



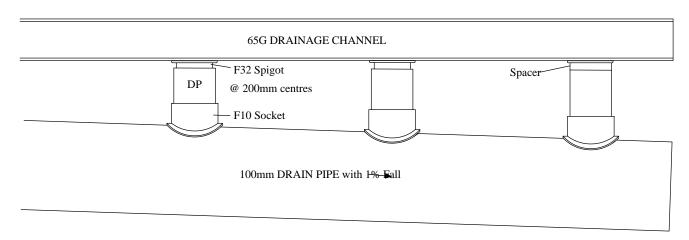
The Channel and Pavers should be laid on a bed of morter.

Perforated Grates filter out leaves & debris over 6.35mm...This could reduce the fluid intake...Sand & fine particles that accumulate in the Channel should be eroded by water flowing into the Spigots every 200mm... Drain Pipes with 1 % fall require little or NO MAINTENANCE...however ... PROVIDE ACCESS TO DRAIN PIPES for cleaning. Do not use electric eels.

WHEEL LOAD = concrete/paving strength. SAFE with high heels and fork lift trucks.

DRAINAGE CAPACITY = 2.5 L/s metre.

FULL FLOW of Drain Pipes 100 = 10 L/s.;



Each 3m length of Drain is supplied with one 3m length of 40mm DWV cut the pipe to the length required. Installation normally starts at outlet with longest DP's.

ASSEMBLE 1st. length of Drain; Glue DP's in pipe Sockets with PVC solvent cement. Place Spacer over 1st. Spigot and align with DP. Fit Spigots in DP's.

ASSEMBLE remaining lengths of Drain. Cut last Drain to length required.

CUT Channels or drain pipes, so that Channels butt together..Join pipes with standard fittings.

POSITION Drains in trench, install Grates (or timber form).

GLUE Joiners in rebated sides of Channels .(x) $\,$ Glue Stop Ends in Channel $\,$.

ADJUST to string line and secure Channel to DP's with glue every metre. (x).

(x) Do not glue if Channels are to de removed, for safe keeping, until needed in topping.

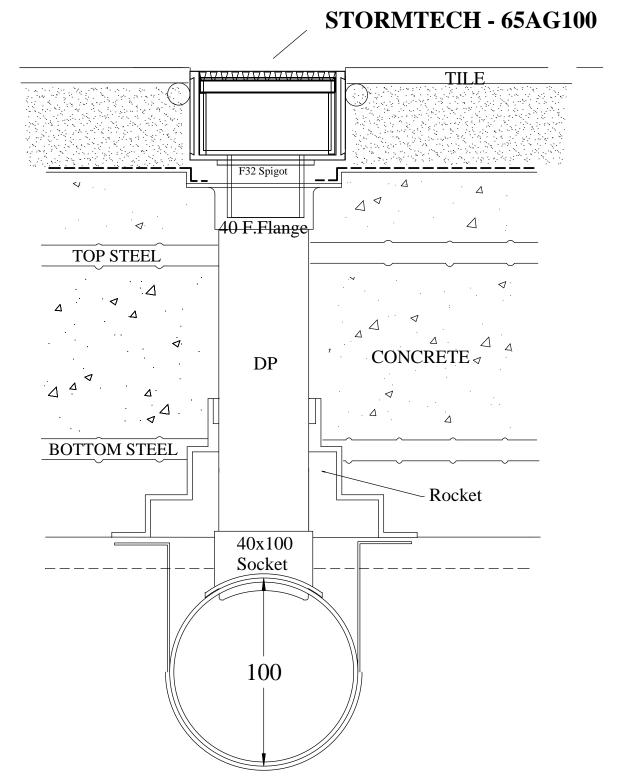
COVER Grates with tape..Installation MUST BE SECURE or it will move when concreting.

HANDLE WITH CARE. Spigits and Sockets can be broken off..(repair with solvent cement)

SUNLIGHT may cause Drains to bend before they are installed.

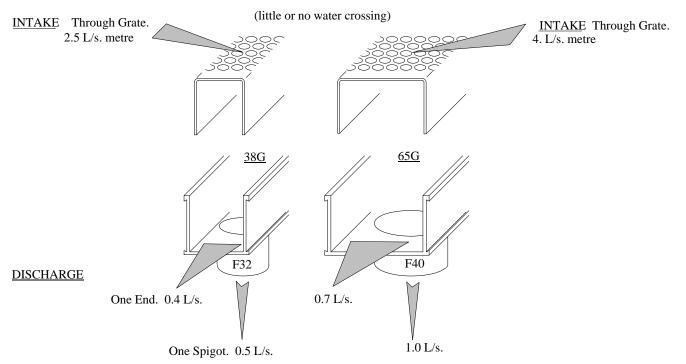
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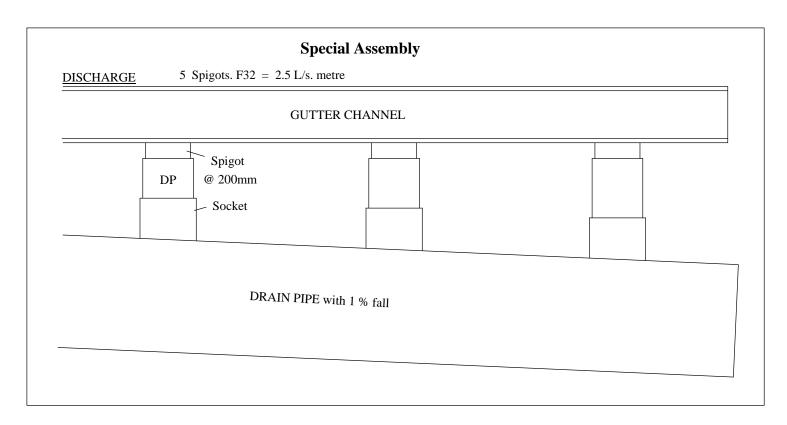
65G100 Special Assembly Suspended Slab



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HYDRAULIC GUIDE





Drain Pipes (with 1% fall)

40mm = 0.7 L/s.

50 = 1.5

65 = 2.5

90 = 6100 = 10 150 = 30. L/s. discharge.

 $\frac{AREA}{3600}$ x RAINFALL = L/s.

eg. $\frac{18m}{3600}^2$ x 200mm/hr. = 1 L/s.

Brisbane 20 year = 239mm/hr. 100 year = 312mm/hr. rainfall. Sydney " = 212 " " = 277 "

One Bathroom Tap delivers 0.3 L/s.

Melbourne " = 91 " = 117 "

STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

38G 90 Special Assembly Product Information

http://www.stormtech.com.au/38g90.html



38G90

Special Assembly 38G90 Drain pipe with 38G PVC Channel)

Product Description

The Stormtech Special Assembly channel has spigots at 200mm centres connected via downpipes of varying length to sockets in a 90mm drainpipe below.

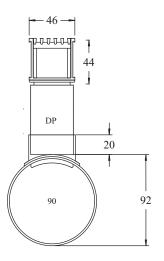
This allows the channel to be installed level while the drainpipe is given sufficient fall to be self-cleaning.

This product is used in areas in need of superior rates of drainage, where the standard 38G with an outlet every 2 meters will not allow the removal of large enough quantities of water.

To complete the Special Assembly you can either use the 38A Architectural grate or the 38D Perforated grate.

The Special Assembly is the preferred drain for pool surrounds, courtyards and large level areas such as pedestrian areas, sporting grounds or car parks.

Product Diagram



Product Applications

Suspended Slabs and Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

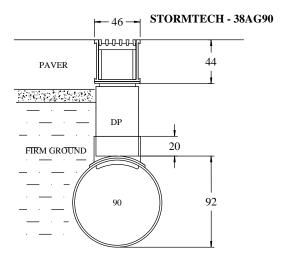
- 1. Slab on ground
- 2. Suspended Slab
- 3. Hydraulic Guide



www.stormtech.com.au

38G90 Special Assembly

Slab on Ground



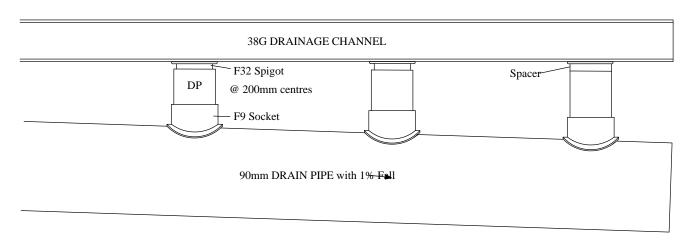
The Channel and Pavers should be laid on a bed of morter.

Perforated Grates filter out leaves & debris over 6.35mm...This could reduce the fluid intake...Sand & fine particles that accumulate in the Channel should be eroded by water flowing into the Spigots every 200mm... Drain Pipes with 1 % fall require little or NO MAINTENANCE...however ... PROVIDE ACCESS TO DRAIN PIPES for cleaning. Do not use electric eels.

WHEEL LOAD = concrete/paving strength. SAFE with high heels and fork lift trucks.

DRAINAGE CAPACITY = 2.5 L/s metre.

FULL FLOW of Drain Pipes 90 = 6 L/s.;



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ASSEMBLE remaining lengths of Drain. Cut last Drain to length required.

CUT Channels or drain pipes, so that Channels butt together..Join pipes with standard fittings.

POSITION Drains in trench, install Grates (or timber form).

GLUE Joiners in rebated sides of Channels .(x) Glue Stop Ends in Channel .

ADJUST to string line and secure Channel to DP's with glue every metre. (x).

(x) Do not glue if Channels are to de removed , for safe keeping , until needed in topping.

COVER Grates with tape..Installation MUST BE SECURE or it will move when concreting.

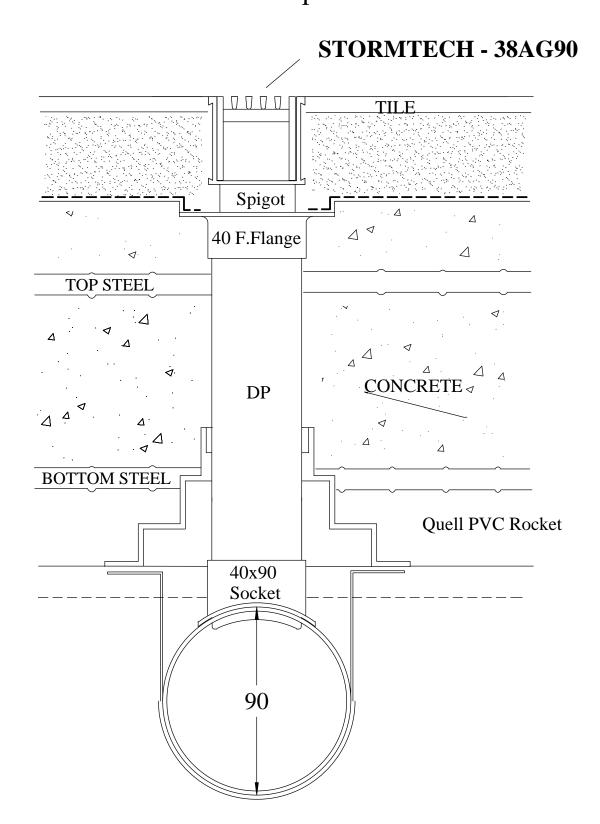
HANDLE WITH CARE. Spigits and Sockets can be broken off..(repair with solvent cement)

SUNLIGHT may cause Drains to bend before they are installed.

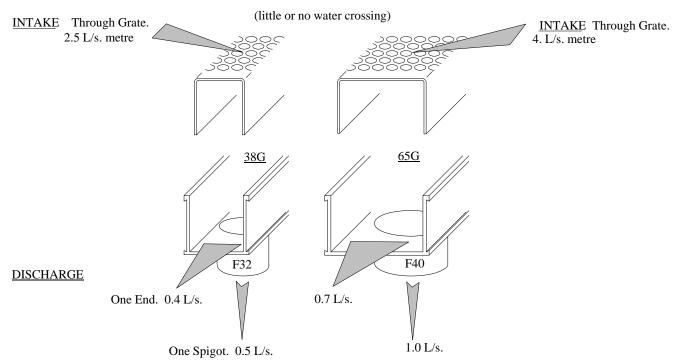
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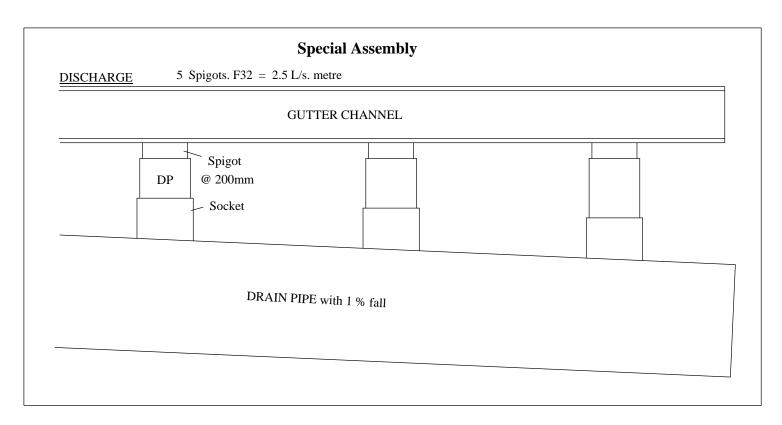
www.stormtech.com.au

38G90 Special Assembly Suspended Slab



HYDRAULIC GUIDE





Drain Pipes (with 1% fall)

40mm = 0.7 L/s.

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 $\frac{AREA}{3600}$ x RAINFALL = L/s.

eg. $\frac{18m}{3600}^2$ x 200mm/hr. = 1 L/s.

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One Bathroom Tap delivers 0.3 L/s.

Melbourne " = 91 "

= 117 "

STORMTECH SLIM LINE ARCHITECTURAL GRATES AND DRAINS

Custom Design Product Information

http://www.stormtech.com.au/custom.html



Custom

All Stainless Steel Items in Specific Widths and/orDepths

Product Description

For any situation where the standard Stormtech grates and channels cannot be used because of any building restrictions, we provide fully custom made items manufactured to your exact specifications.

Product Applications

Bathrooms

Suspended Slabsand Balconies

Thresholds and Doortracks

Driveways

Pools and Paved Areas

Patios, Courtyards and Terraces

Commercial Applications and Large Scale Projects

Special Needs Access

Pages:

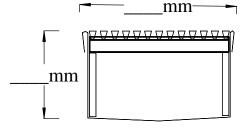
- 1. Grate and tray
- 2. Grate and frame

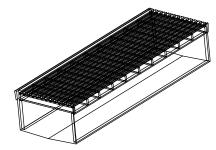


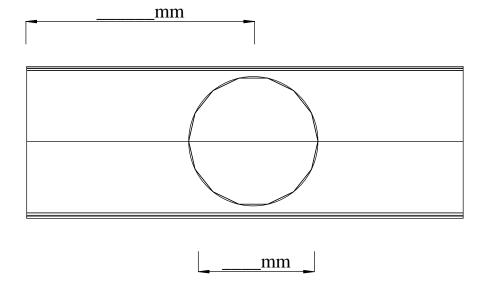
www.stormtech.com.au

REF Date Date Revision









All material 316 grade stainless steel sheet min 1.2mm 3 wire 3 gap

Contact	_1 _ 4 _ :1	
Contact	CETAL	ıc.
Comaci	uctan	LO.

Customer Signature

date

Troy Creighton

Stormtech Pty Ltd 2006, IP remains with author

Custom grate & frame layout

REF	Date
Revision	Date

Architectural grates & drain www.stormtech.com.au

-	mm	
mm		
<u> </u>	10mm countersunk holes	

Load class A B C D, (please circle) All material 316 304 grade stainless steel (please circle) Contact details:

Customer Signature

date

Troy Creighton

Stormtech Pty Ltd 2006, IP remains with author

Vinyl Clamp Product Information

http://www.stormtech.com.au/vinyl_clamp.html



Vinyl Clamp

This innovative product allows using Stormtech Slimline grates in a vinyl floor, as it permits a single plane of fall.

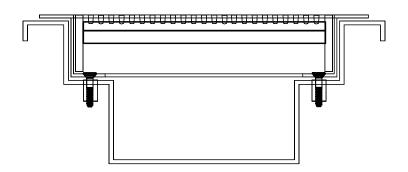
Product Applications

Bathrooms

Thresholds and Doortracks

Commercial Applications and Large Scale Projects

Special Needs Access

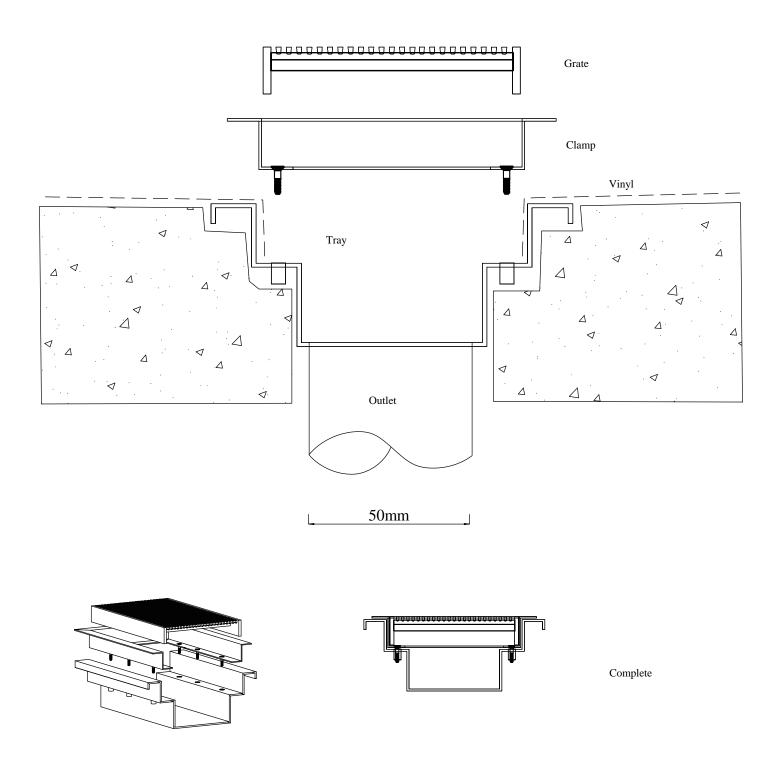


Pages:

1. Vinyl Clamp



Vinyl Clamp



NOTE: Minimum standard height is 45mm overall, depth can vary to allow for fall in channel.

Minimum width for standard outlet is 155mm overall Standard outlet is to suit 50mm DWV pipe.

Standard material is 316 grade stainless steel.