

Section 1. – Universal WetFloor Drains

1.6.1 Definition: A drainage point which can be used with or without a trap.

1.6.2 Product introduction of the Grate & Waste

A Floor Drain designed, amongst others for ease of installation and ensuring a High Quality Finish.

The **Grate and Waste Drain** is an ideal cost effective Complete Waste and Grate system for use in specified areas where waterproofing is NOT needed, is supplied in a sealed box and comes with installation instructions for the installer/end users convenience.

The **Grate and Waste Drain** pack, comprises of the following components:

A Square Red Dust Cover which is made from HDPE, is supplied for the protection of the M-sert and drain during the construction phase. An M-sert with either a 50mm or a 40mm Outlet made of ABS plastic which houses a choice of two (2) attractive aesthetically pleasing satin finished, 316 graded, stainless steel, grates one with a Square Hole, the other with a Round Hole design and another White ABS plastic finished grate, designed with a scratch resistance, non-slip surface and is the most cost effective option. These three Grate Options are the final step to achieving a High Quality Finish.

1.6.3 Key Benefits:

- a. Easy to install ensuring a quality finish.
- b. Available in two outlet sizes 50mm & 40mm and can be installed with a Trap to a sewer line or directly into a Storm Water Line by using a 90° PVC Slow Bend.
- c. Three attractive aesthetically pleasing Grates to choose from.
- d. The M-sert is manufactured from ABS plastic for its durability, impact resistance.
- e. The M-sert is height and square adjustable to obtain an optimal flush finish with the desired finish (tiles/screed etc).
- f. Manufactured from sustainable & recyclable materials.
- g. Cost effective drainage point.

1.6.4 Applications:

- Can be used as a controlled drain point for most applications where a waterproofing membrane is NOT REQUIRED.

1.6.5.1 Installation: Using a Type (P or S type)

Once the desired point of installation has been selected and identified, make sure of the Finished Floor Level (FFL) before starting your installation.

PLEASE NOTE: Handle all Sequal Products with care and store unused products and materials in a safe place. When gluing our product preferably use Oateys Heavy Duty PVC Glue and allow the appropriate drying time.

- 1.6.5.1.a Read instructions and check that all components are supplied.
- 1.6.5.1.b Place M-sert outlet into the Selected Trap to the desired finished height.
- 1.6.5.1.c Connect to the selected PVC pipe and set the Trap in its selected position ensuring that the M-sert is square, level and flush with the desired finished height of the proposed Floor Finish.
- 1.6.5.1.d Ensure that the trap is adequately sealed to the PVC pipe as well as the M-sert and test for leaks.
- 1.6.5.1.e Ensure that NO dirt or debris can enter the drain while the waterproofing/screed/tiling phase commences by making use of the provided Square Red Dust Cover.
- 1.6.5.1.f Lastly, once all trades are complete in the area of the drainage point, remove the grate from its plastic and insert into the M-sert.

1.6.5.2 Installation: Directly onto a PVC pipe system (NO TRAP)

Once the desired point of installation has been selected and identified, make sure of the Finished Floor Level (FFL) before starting your installation.

PLEASE NOTE: Handle all Sequal Products with care and store unused products and materials in a safe place. When gluing our product preferably use Oateys Heavy Duty PVC Glue and allow the appropriate drying time.

- 1.6.5.2.a Read instructions and check that all components are supplied.
- 1.6.5.2.b Place the M-sert outlet onto the Selected PVC Fitting and adjust to the desired finished height.
WARNING: When selecting a 90° Bend, in order to prevent Blockages ONLY USE a Slow 90° Bend (2 x 45° Bends).
- 1.6.5.2.c Connect by applying the accepted specified glue/solvent cement and set the PVC pipe and fitting in its selected position and ensure that the M-sert is square, level and flush with the top of the proposed Floor Finish. Test for leaks!
- 1.6.5.2.d Ensure that NO dirt or debris can enter the drain while the waterproofing /screed/tiling phase commences by making use of the provided Square Red Dust Cover
- 1.6.5.2.e Lastly when all trades are complete in the area of the drain, remove the grate from its plastic and insert into the M-sert.

Congratulations you are a proud installer/owner of another High Quality finished Sequal product.

1.6.6 Maintenance requirements of the drain:

NOTE: It is important to keep the Grate & Waste well maintained and cleaned by either the user or a plumber and should be done regularly according to a maintenance plan or when:-

- The shower / surface water has become noticeably slow while draining away.
- The shower / surface water has become blocked and cannot drain away.

In which case apply the following:

- 1.6.6.1 Check that debris has not formed a blockage on the Grate. If this is the case, simply remove and discard the debris!
- 1.6.6.2 Remove the grate and carefully inspect the inside of the M-Sert for any foreign matter. (e.g.: Hair, Soap/greasy residue etc.)
- 1.6.6.3 Clean the inside of the M-Sert with warm soapy water.
- 1.6.6.4 Test the system by flushing water through the drain and once satisfied, insert the grate.
- 1.6.6.5 Should the problem persist please call your local Plumber for additional assistance. There may be a blockage further down the drainage line.

****Should any technical assistance be needed during your installation please call our help line +27 (0)44 382 3484 from Monday - Thursday from 8am till 5pm & Fridays from 8am till 2pm. Alternatively send an email to tech@sequal.co.za. ****

Please contact us for alternative Product Technical Data Sheets.

1. F-Box WetFloor Drain ^{1st} Fix Pack Options
2. F-Box WetFloor Drain ^{2nd} Fix Pack Options
3. F-Box WetFloor Complete Options

Seaqual Technical Data Sheet – Grate & Waste



1.6.7 Grate & Waste Product Data Table:

1.6.7.a Grate & Waste Product Variation Table:

Product Code	Outlet Size	Grate Type	Product Barcodes	Product Image
111004	40mm Ø	St/St 316 Square Hole	Product Barcode: 6009819880630 OuterBox Barcode 1: 16009819880637 Outer Box Barcode 2: 26009819880634	
111003	40mm Ø	St/St 316 Round Hole	Product Barcode: 6009819880623 OuterBox Barcode 1: 16009819880620 Outer Box Barcode 2: 26009819880627	
111001	40mm Ø	ABS White Plastic	Product Barcode: 6009819880005 OuterBox Barcode 1: 16009819880002 Outer Box Barcode 2: 26009819880009	
111102	50mm Ø	St/St 316 Square Hole	Product Barcode: 6009819880678 OuterBox Barcode 1: 16009819880675 Outer Box Barcode 2: 26009819880672	
111060	50mm Ø	St/St 316 Round Hole	Product Barcode: 6009819880685 OuterBox Barcode 1: 16009819880682 Outer Box Barcode 2: 26009819880689	
111100	50mm Ø	ABS White Plastic	Product Barcode: 6009819880654 OuterBox Barcode 1: 16009819880651 Outer Box Barcode 2: 26009819880658	

Sequal Technical Data Sheet – Grate & Waste



1.6.7.b Grate & Waste Product Technical Data Table:

Outlet Size:	40mm Ø	50mm Ø
Total Height	96mm	96mm
Outlet Outer Diameter in mm	40mm	50mm
Outlet Inner Diameter in mm	35mm	45mm
Width at widest point	110x110 – Grate	110 x 110 – Grate
Total Weight of Product	0.240 kg	0.245 kg
Height Adjustable	Yes	Yes
Product Warranty	5 year	5 year
Product Application	Internal application in showers with a P-Trap, External Applications in balconies and patios. Only to be used in areas where waterproofing is not required.	Internal application in showers with a P-Trap, External Applications in balconies and patios. Only to be used in areas where waterproofing is not required.
Design Data		
CAD	Yes	Yes
Revit	Yes	Yes
Packaging Data		
Units / Outer Box – Option 1	10	10
Total Weight of Outer Box	2.60 kg	2.60 kg
Outer Box Dimensions in mm	520mm x 280mm x 620mm	520mm x 280mm x 620mm
Units / Outer Box – Option 2	40	40
Total Weight of Outer Box	10.50 kg	10.70 kg

1.6.8 Terms & Conditions of Product Warranty

On the conditions appearing below Seaqual warrants that the products it manufactures are free from defect for the periods set out in Warranty Period column for use in the manner described in the Application column.

Seaquals range of products are made from different types of plastics which determines their longevity. Research into the various plastics Seaqual uses indicates that the life expectancy of the various materials ranges from 50 to 100 years and for this reason Seaqual can confidently offer the lengthy warranties set out in the schedule. Under this warranty Seaqual undertakes to replace any item that does not last for the period of the warranty provided that the following conditions are met:-

- 1.6.8.1 Any failure of the product has not been caused by abuse of the Product;
- 1.6.8.2 The Product has been correctly installed in terms of the Installation Instructions provided by Seaqual;
- 1.6.8.3 In the case of floor drains / full-bores / sumps no corrosive liquids have been poured into or through the Product;

Seaqual Technical Data Sheet – Grate & Waste

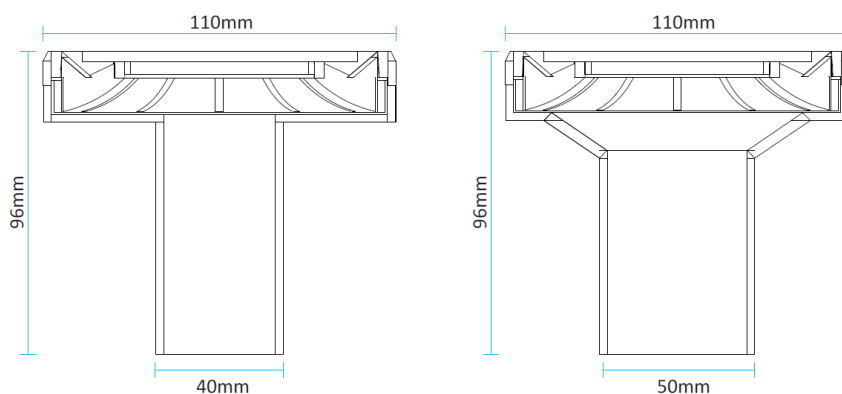
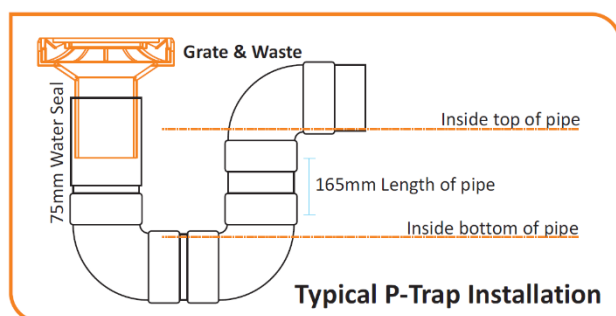
- 1.6.8.4 The purchase receipt pertaining to the purchase of the Product or details of where purchased are provided;
- 1.6.8.5 The claim is submitted on line to the Technical Director, Seaqual (Pty) Ltd at tech@seaqual.co.za or in writing to Seaqual at 5 Fechter Street, Knysna Western Cape;
- 1.6.8.6 Photographs of the defective Product are submitted with the claim, Seaqual reserving the right to call for the defective Product itself should the photographs be insufficient evidence of any alleged defect (this within Seaquals sole discretion);

The claim is limited to the actual replacement of any defective product at no cost to the purchaser/claimant and does not cover any consequential losses that the purchaser may contend he or she has suffered.

NOTE: The 5 year warranty excludes any component of the product which is not manufactured by Seaqual such as the rubber seals, nuts and bolts. These items carry a 2 year warranty against manufacturer defects. Please note that Seaqual cannot be held responsible for inaccurate installation processes.

1.6.9 Technical Drawings

Email tech@seaqual.co.za for CAD or Revit Drawings of the Grate & Waste.



1.6.10 Certifications

Seaqual (Pty) Ltd is ISO9001:2015 Certified.

WHOLLY MANUFACTURED IN SOUTH AFRICA – Tariff Heading / HS Code 3922.90.90

These products are available through most Plumbing Merchants within South Africa and can be viewed on our website: <http://www.seaqual.co.za>.

Request for quotations or placing of orders can be sent to orders@seaqual.co.za