

SANSICOtm

Complies to BS EN 1253:2003



TOP ACCESS FLOOR TRAP SYSTEM

LOOKS BETTER & FLOWS FASTER

Print Edition for February 2014



Introduction

Sansico Industries Sdn Bhd








In the past 13 years, Sansico Industries Sdn Bhd, has progressed to be a market leader in the manufacture of fittings for internal plumbing systems.

Sansico launched its S1 and S2 models of floor traps in the year 2008 and a year later we won the best new product category in the prestigious Archidex exhibition for our S1 and S2 models. Our floor trap systems have been successfully and widely used in condominiums, hospitals, houses, commercial buildings, offices, hypermarkets, etc, both locally and overseas. After consultations and feed back from developers, architects, consultants and plumbers, Sansico has re-engineered its design to eliminate all problems with the top access floor trap and proudly launches its patented and innovative system called the S3 model.

The SIRIM approved new S3 brings all the advantages of a top access floor trap system. It is economical, practical, does not require adaptors and comes with the largest range of locally manufactured floor gratings in the market. This allows for flexibility and many architecturally pleasing top finishing designs in the bathroom. That is why it is factually proven that the S3 "Looks better and flows faster".

Summary

/Brief intro of the system

Model	Application	Grating & Collar	Trap Body	Trap System	Outlet
	 Bottom Discharge	 4" Grating & Collar	 3" Trap Body without Inlet S1-PS3 <i>or</i>	 Water Trap S1/S2-WT-G S1/S2-WT-W	 3" x 3" S1-OL3 <i>or</i>
	 Side Discharge		 3" Trap Body with Inlet S1-PSI3		 3" x 2" S1-OL2
	 Bottom Discharge	 6" Grating & Collar	 4" Trap Body without Inlet S2-PS4 <i>or</i>	 Water Trap S1/S2-WT-G S1/S2-WT-W	 4" x 3" S2-OL4X3 <i>or</i>
	 Side Discharge		 4" Trap Body with Inlet S2-PSI4		 4" x 2" S2-OL4X2
	 Bottom Discharge	 6" Grating & Collar	 4" Trap Body without Inlet S3-TBI <i>or</i>	 Trap Insert S3-TI	 4" x 3" S3-OL4X3 <i>or</i>
			 4" Trap Body with Inlet S3-TB	<i>optional:</i>  Stainless Steel Strainer S3-S	 4" x 2" S3-OL4X2

- S1 Recommended for more tidy and neat outlook balcony rainwater discharge.
- S2 Recommended for bathroom & kitchen when basin & aircond discharge are not connected to floor trap.
Ease of installation for renovation job with existing pipe sleeve. For conversion from conventional to top access floor trap.
- S3 Ideal for wet / dry bathrooms & kitchens. Discharge from basin and aircond will fill up the water seal.
No additional trap required for both basin and aircond pipe.



BENEFITS

Benefits of the Sansico Top Access Floor Trap System

Benefits 1



Top cleaning / access

Benefits 2



Odour tightness

Benefits 3



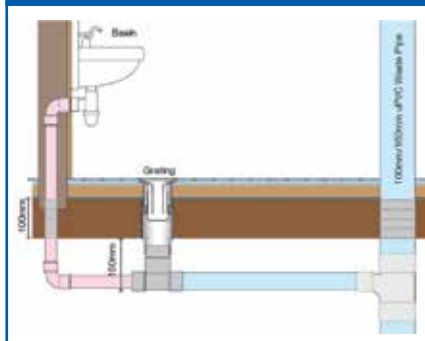
Luxurious and Strang Gratings

Benefits 4



Prevents cockroaches /insects from entering the house

Benefits 5



Higher false ceiling height - Space saving

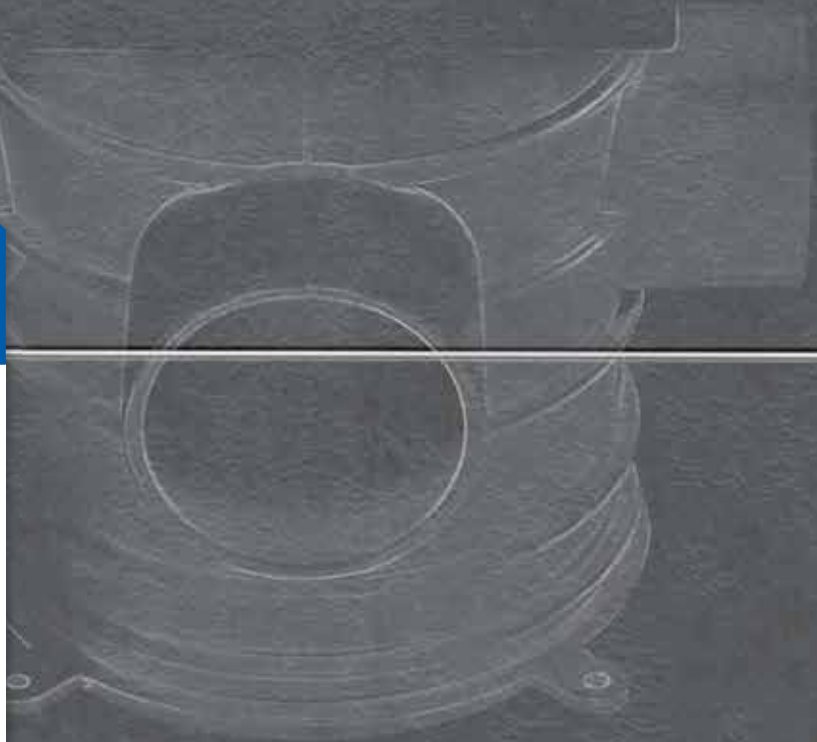
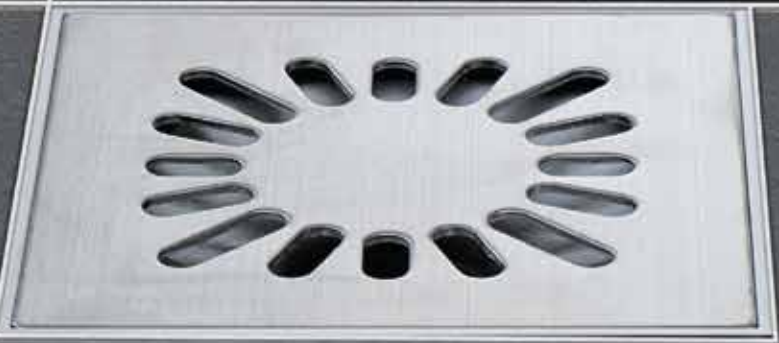
Benefits 6



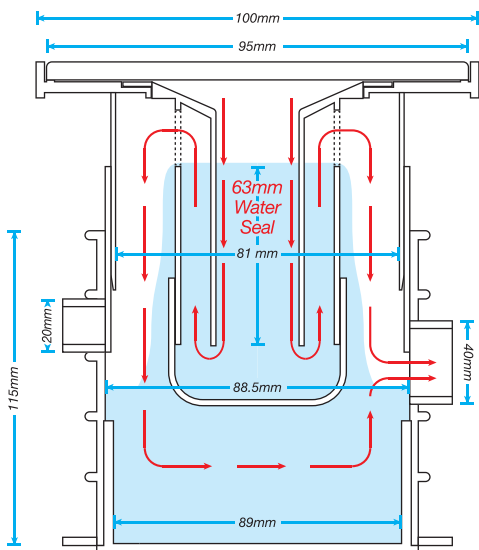
75mm opening for rodding purposes



Dimensions of S1 Model



Dimensions of S1 model Top Access Floor Trap System 3" Pipe Sleeve





4" Grating & Collar



4" Plastic Grating

4" Plastic Grating

Plastic Grating
S1-GP-S
Plastic Collar
S1-CP4-W

***with Washing Machine plug**
Plastic Grating
S1-GP-SH
Plastic Collar
S1-CP4-W



4" Stainless Steel Grating

4" Stainless Steel Grating-Anti Theft

4" Stainless Steel Grating

Stainless Steel Grating
S1-GSS-S
Plastic Collar
S1-CP4-G

***with Stainless Steel Screw**
Stainless Steel Grating
S1-GSS-S-AT
Plastic Collar
S1-CP4-G

***with Washing Machine plug**
Stainless Steel Grating
S1-GSS-SH
Plastic Collar
S1-CP4-G



4" Stainless Steel Grating-Chess

4" Stainless Steel Grating-Chess-Anti Theft

4" Stainless Steel Tile Tray

Stainless Steel Grating (Chess)
S1-GSS-C
Plastic Collar
S1-CP4-G

***with Stainless Steel Screw**
Stainless Steel Grating (Chess)
S1-GSS-C-AT
Plastic Collar
S1-CP4-G

Stainless Steel Tile Tray
S1-TSS-TT
Plastic Collar with SS Lining
S1-CPSSL-TT



4" Stainless Steel Tile Tray With Plastic Collar

4" Plastic Tile Tray - White

4" Plastic Tile Tray - Grey

Stainless Steel Tile Tray
S1-TSS-TT
Plastic Collar
S1-CP-TT-W / S1-CP-TT-G

Plastic Tile Tray
S1-TP-TT-W
Plastic Collar
S1-CP-TT-W

Plastic Tile Tray
S1-TP-TT-G
Plastic Collar
S1-CP-TT-G

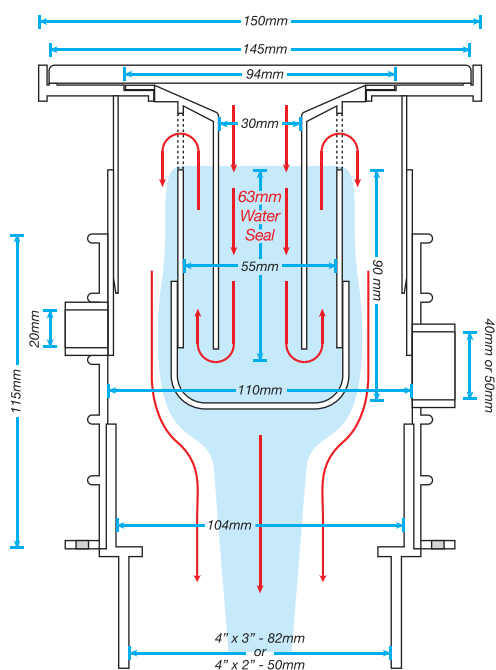


Dimensions of S2 Model

S2 Model

Flow rate: 61 litres / minute

Dimensions of S2 model Top Access Floor Trap System 4" Pipe Sleeve



*Sirim requirement: 48 litres / minute



6" Grating & Collar

Web / Fish / Round



6" Web

6" Fish

6" Round-1

6" Round Brass

Plastic Grating (Web)
S2/S3-GP-W
Plastic Collar
S2-CP-W

Stainless Steel Grating (Fish)
S2/S3-GSS-F
Stainless Steel Collar
S2-CSS-R

Stainless Steel Grating (Round)
S2/S3-GSS-R
Stainless Steel Collar
S2-CSS-R

Brass Grating (Round)
S2/S3-GB-R
Brass Collar
S2-CB-R

Tile Tray



6" Stainless Steel Tile Tray

6" Stainless Steel Tile Tray

6" Plastic Tile Tray White

6" Plastic Tile Tray Grey

Stainless Steel Tile Tray
S2/S3-TSS-TT
Plastic Collar with SS Lining
S2-CPSSL-TT

Stainless Steel Tile Tray
S2/S3-TSS-TT
Plastic Collar
S2-CP-TT-W / S2-CP-TT-G

Plastic Tile Tray (White)
S2/S3-TP-TT-W
Plastic Collar
S2-CP-TT-W

Plastic Tile Tray (Grey)
S2/S3-TP-TT-G
Plastic Collar
S2-CP-TT-G

Maze



6" Maze-5

6" Maze-3 White

6" Maze-3 Grey

Stainless Steel Grating Square (Maze)
S2/S3-GSS-M
Stainless Steel Collar
S2-CSS-S

Plastic Grating (Maze)
S2/S3-GP-M-W
Plastic Collar
S2-CP-M3-W

Plastic Grating (Maze)
S2/S3-GP-M-G
Plastic Collar
S2-CP-M3-G

S2
 MODEL

6" Grating & Collar

S2 Model

Daisy



6" Daisy Square-1

Stainless Steel Grating (Daisy)
 S2/S3-GSS-DS
Plastic Collar
 S2-CP-G (Grey) / S2-CP-W (White)



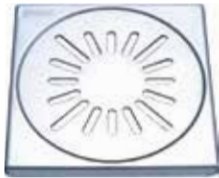
6" Daisy Square-1 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Daisy-AT)
 S2/S3-GSS-DS-AT
Plastic Collar
 S2-CP-G (Grey) / S2-CP-W (White)



6" Daisy Square-6

Stainless Steel Grating (Daisy)
 S2/S3-GSS-DS3
Plastic Collar with SS Lining
 S2-CPSSL



6" Daisy Round-1

Stainless Steel Grating Round (Daisy)
 S2/S3-GSS-DR
Stainless Steel Collar
 S2-CSS-R



6" Daisy Square-5

Stainless Steel Grating Square (Daisy)
 S2/S3-GSS-DS4
Stainless Steel Collar
 S2-CSS-S

Venus



6" Venus Square-1

Stainless Steel Grating (Venus)
 S2/S3-GSS-VS
Plastic Collar
 S2-CP-G (Grey) / S2-CP-W (White)



6" Venus Square-1 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Venus-AT)
 S2/S3-GSS-VS-AT
Stainless Steel Collar
 S2-CP-G (Grey) / S2-CP-W (White)



6" Venus Square-6

Stainless Steel Grating (Venus)
 S2/S3-GSS-VS3
Plastic Collar with SS Lining
 S2-CPSSL



6" Venus Round-1

Stainless Steel Grating (Venus)
 S2/S3-GSS-VR
Stainless Steel Collar
 S2-CSS-R



6" Venus Square-5

Stainless Steel Grating Square (Venus)
 S2/S3-GSS-VS4
Stainless Steel Collar
 S2-CSS-S



6" Grating & Collar

Bamboo



6" Bamboo-1

Stainless Steel Grating (Bamboo)
S2/S3-GSS-BB
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Bamboo-1 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Bamboo-AT)
S2/S3-GSS-BB-AT
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Bamboo-6

Stainless Steel Grating (Bamboo)
S2/S3-GSS-BB3
Plastic Collar with SS Lining
S2-CPSSL



6" Bamboo-5

Stainless Steel Grating (Bamboo)
S2/S3-GSS-BB4
Stainless Steel Collar
S2-CSS-S

Diamond



6" Diamond Square-1

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Diamond Square-1 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Diamond-AT)
S2/S3-GSS-DMS-AT
Stainless Steel Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Diamond Square-6

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS3
Plastic Collar with SS Lining
S2-CPSSL



6" Diamond Round-1

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMR
Stainless Steel Collar
S2-CSS-R



6" Diamond Square-5

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS4
Stainless Steel Collar
S2-CSS-S



6" Grating & Collar

Chess



6" Chess Square-1

Stainless Steel Grating (Chess)
S2/S3-GSS-CHS
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Chess Square-1 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Chess-AT)
S2/S3-CSS-CHS-AT
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Chess Square-6

Stainless Steel Grating (Chess)
S2/S3-GSS-CHS3
Plastic Collar with SS Lining
S2-CPSSL



6" Chess Round-1

Stainless Steel Grating (Chess)
S2/S3-GSS-CHR
Stainless Steel Collar
S2-CSS-R



6" Chess Square-5

Stainless Steel Grating (Chess)
S2/S3-GSS-CHS4
Stainless Steel Collar
S2-CSS-S

Chequer



6" Chequer Square-1

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQS
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Chequer Square-1 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Chequer-AT)
S2/S3-GSS-CQS-AT
Plastic Collar
S2-CP-G (Grey) / S2-CP-W (White)



6" Chequer Square-6

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQS3
Plastic Collar with SS Lining
S2-CPSSL



6" Chequer Round-1

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQR
Stainless Steel Collar
S2-CSS-R



6" Chequer Square-5

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQS4
Stainless Steel Collar
S2-CSS-S

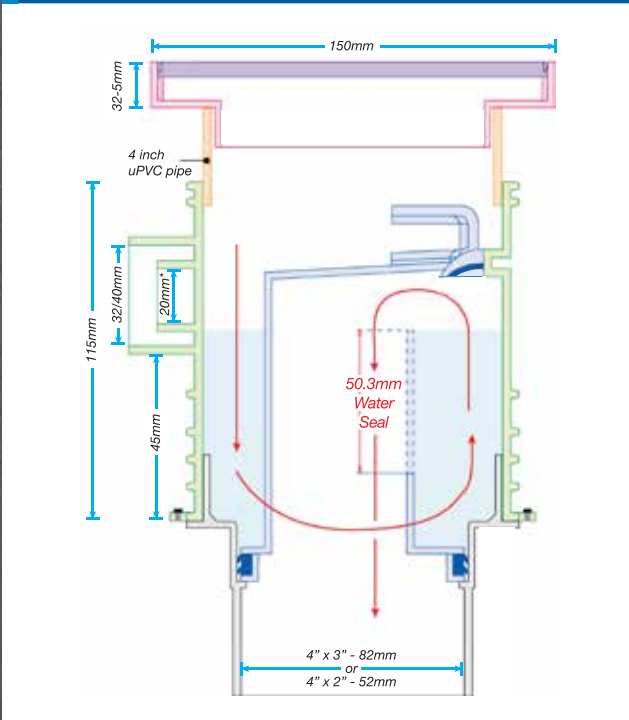


Dimensions of S3 Model



**Flow rate:
84 litres / minute**

Dimensions of S3 model Top Access Floor Trap System 4" Pipe Sleeve



Sansico S3 Top Access Floor Trap Specification

Sirim approved top access floor trap complying with BS EN 1253:2003 that comes with an insert piece having EPDM side and bottom rubber seals. Depth of water seal is 50mm and has a minimum flow rate of 84 litres per minute.

*The air-cond pipe inlet is designed for 20mm (3/4") PVC pipe.

Special Features

- I. Locally Manufactured Luxurious and Strong Gratings
 - II. Extension by using 4" uPVC Pipe
 - III. No trap of adaptors required for washing machine or air conditioner. It comes with built in sockets for these connections
 - IV. 20 Years Warranty for EPDM (Ethylene Propylene Diene Monomer) sealing mechanism
 - V. 75mm opening for rodding purposes
 - VI. Flow rate of Minimum 84 litres / minute
- *Sirim requirement: 48 litres / minute



Grating & Collar



6" Web

Plastic Grating (Web)
S2/S3-GP-W
Plastic Collar
S3-CP-6P



S3 Model



6" Fish-2

Stainless Steel Grating (Fish)
S2/S3-GSS-F
Stainless Steel Collar
S3-CSS-R



6" Stainless Steel Tile Tray

Stainless Steel Tile Tray
S2/S3-TSS-TT
Plastic Collar with SS Lining
S3-CPSSL-TT



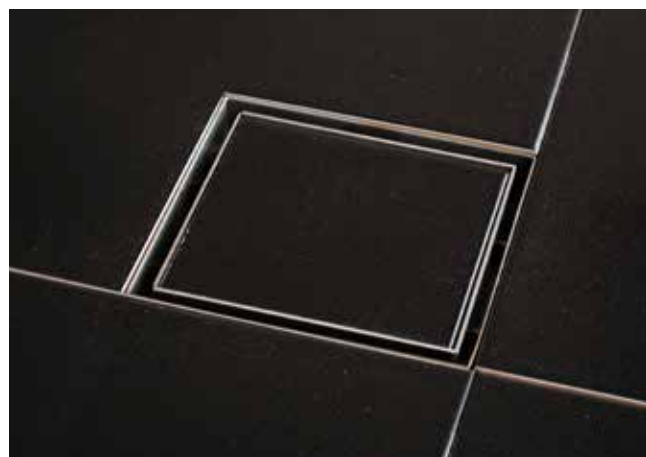
6" Stainless Steel Tile Tray with Plastic Collar

Stainless Steel Tile Tray
S2/S3-TSS-TT
Plastic Collar
S3-CP-TT-W / S3-CP-TT-G



6" Plastic Tile Tray White

Plastic Tile Tray (White)
S2/S3-TP-TT-W
Plastic Collar
S3-CP-TT-W



6" Plastic Tile Tray Grey

Plastic Tile Tray (Grey)
S2/S3-TP-TT-G
Plastic Collar
S3-CP-TT-G



Grating & Collar



6" Round-2

Stainless Steel Grating (Round)
S2/S3-GSS-R
Stainless Steel Collar
S3-CSS-R



6" Round Brass

Stainless Steel Grating (Round)
S3-GB-R
Brass Collar
S3-CB-R



6" Maze-1 White

Plastic Side Flow (Maze)
S2/S3-GP-M-W
Plastic Collar
S3-CP-M1-W



6" Maze-1 Grey

Plastic Side Flow (Maze)
S2/S3-GP-M-G
Plastic Collar
S3-CP-M1-G



6" Maze-2

Stainless Steel Grating (Maze)
S2/S3-GSS-M
Stainless Steel Collar
S3-CSS-S



6" Maze-Brass

Brass Grating (Maze)
S3-GB-M
Brass Collar
S3-CB-S

S3
MODEL

Grating & Collar



6" Venus Square-2

Stainless Steel Grating (Venus)

S2/S3-GSS-VS

Plastic Collar

S3-CP-6SS-G (Grey)

/ S3-CP-6SS-W (White)



6" Venus Square-2 Anti Theft

***with Stainless Steel Screw**

Stainless Steel Grating (Venus)

S2/S3-GSS-VS-AT

Stainless Steel Collar

S3-CP-6SS-G (Grey)

/ S3-CP-6SS-W (White)



6" Venus Square-3

Stainless Steel Grating (Venus)

S2/S3-GSS-VS3

Plastic Collar with SS Lining

S3-CPSSL-G (Grey)

/ S3-CPSSL-W (White)



6" Venus Round-2

Stainless Steel Grating (Venus)

S2/S3-GSS-VR

Stainless Steel Collar

S3-CSS-R



6" Venus Square-4

Stainless Steel Grating (Venus)

S2/S3-GSS-VS4

Stainless Steel Collar

S3-CSS-S

S3 Model



Grating & Collar



6" Bamboo-2

Stainless Steel Grating (Bamboo)

S2/S3-GSS-BB

Plastic Collar

S3-CP-6SS-G (Grey)

/ S3-CP-6SS-W (White)



6" Bamboo-2 Anti Theft

***with Stainless Steel Screw**

Stainless Steel Grating (Bamboo-AT)

S2/S3-GSS-BB-AT

Plastic Collar

S3-CP-6SS-G (Grey)

/ S3-CP-6SS-W (White)



6" Bamboo-3

Stainless Steel Grating (Bamboo)

S2/S3-GSS-BB3

Plastic Collar with SS Lining

S3-CPSSL-G (Grey)

/ S3-CPSSL-W (White)



6" Bamboo-4

Stainless Steel Grating (Bamboo)

S2/S3-GSS-BB4

Stainless Steel Collar

S3-CSS-S



Grating & Collar



6" Daisy Square-2

Stainless Steel Grating (Daisy)
S2/S3-GSS-DS
Plastic Collar
S3-CP-6SS-G (Grey)
/ S3-CP-6SS-W (White)



6" Daisy Square-2 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Daisy)
S2/S3-GSS-DS-AT
Stainless Steel Collar
S3-CP-6SS-G (Grey)
/ S3-CP-6SS-W (White)



6" Daisy Square-3

Stainless Steel Grating (Daisy)
S2/S3-GSS-DS3
Plastic Collar with SS Lining
S3-CPSSL-G (Grey)
/ S3-CPSSL-W (White)



6" Daisy Round-2

Stainless Steel Grating (Daisy)
S2/S3-GSS-DR
Stainless Steel Collar
S3-CSS-R



6" Daisy Square-4

Stainless Steel Grating (Daisy)
S2/S3-GSS-DS4
Plastic Collar with SS Lining
S3-CSS-S



S3 Model

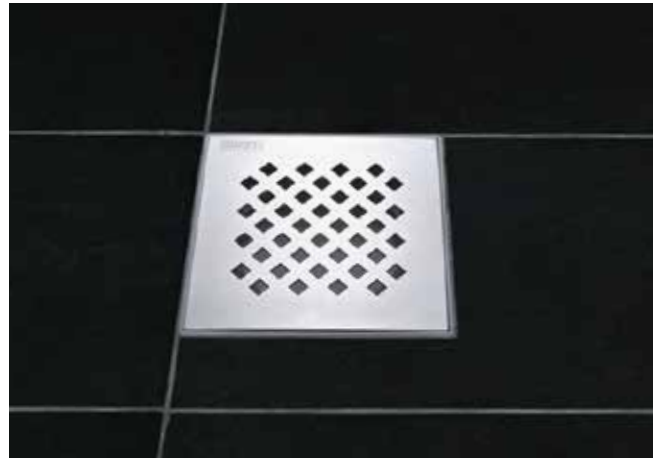


Grating & Collar



6" Diamond Square-2

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS
Plastic Collar
S3-CP-6SS-G (Grey)
/ S3-CP-6SS-W (White)



6" Diamond Square-2 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS-AT
Stainless Steel Collar
S3-CP-6SS-G (Grey)
/ S3-CP-6SS-W (White)



6" Diamond Square-3

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS3
Plastic Collar with SS Lining
S3-CPSSL-G (Grey)
/ S3-CPSSL-W (White)



6" Diamond Round-2

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMR
Stainless Steel Collar
S3-CSS-R



6" Diamond Square-4

Stainless Steel Grating (Diamond)
S2/S3-GSS-DMS4
Stainless Steel Collar
S3-CSS-S



Grating & Collar



6" Chess Square-2

Stainless Steel Grating (Chess)

S2/S3-GSS-CHS

Plastic Collar

S3-CP-6SS-G (Grey)

/ S3-CP-6SS-W (White)



6" Chess Square-2 Anti Theft

***with Stainless Steel Screw**

Stainless Steel Grating (Chess)

S2/S3-GSS-CHS-AT

Stainless Steel Collar

S3-CP-6SS-G (Grey)

/ S3-CP-6SS-W (White)



6" Chess Square-3

Stainless Steel Grating (Chess)

S2/S3-GSS-CHS3

Plastic Collar with SS Lining

S3-CPSSL-G (Grey)

/ S3-CPSSL-W (White)



6" Chess Round-2

Stainless Steel Grating (Chess)

S2/S3-GSS-CHR

Stainless Steel Collar

S3-CSS-R



6" Chess Square-4

Stainless Steel Grating (Chess)

S2/S3-GSS-CHS4

Stainless Steel Collar

S3-CSS-S

S3 Model



Grating & Collar



6" Chequer Square-2

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQS
Plastic Collar
S3-CP-6SS-G (Grey)
/ S3-CP-6SS-W (White)



6" Chequer Square-2 Anti Theft

***with Stainless Steel Screw**
Stainless Steel Grating (Chequer-AT)
S2/S3-GSS-CQS-AT
Plastic Collar
S3-CP-6SS-G (Grey)
/ S3-CP-6SS-W (White)



6" Chequer Square-3

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQS3
Plastic Collar with SS Lining
S3-CPSSL-G (Grey)
/ S3-CPSSL-W (White)



6" Chequer Round-2

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQR
Stainless Steel Collar
S3-CSS-R



6" Chequer Square-4

Stainless Steel Grating (Chequer)
S2/S3-GSS-CQS4
Stainless Steel Collar
S3-CSS-S

Technical Data

The flow rating or capacity of a floor drain is determined by several factors:

Size of Waste-line

A horizontal branch waste-line with normal pitch or slope, with a deep seal trap at drain outlet is capable of conveying as follows:

Size	Flow Rate
2 inch (50mm)	10 to 25 GPM
3 inch (75mm)	30 to 75 GPM
4 inch (100mm)	75 to 150 GPM

Grate Free Area

Outlet size and depth of the floor drain are important in determining the rating of a drain. If the free drainage area of the grating is small, water will build up on the floor, at some point, the head build up above the floor level will produce a flow through the drain that will equal the maximum flow capacity of the horizontal drain line.

The maximum recommended flow rating is based upon the size of the drain, size of outlet connection and grate free area. For the SANSICO Floor Trap System, a 20mm head buildup of water was used (as per BS EN 1253), and the flow rates obtained are in excess of 84 LITRES PER MINUTE (18.5 GPM) for our S3 model.

Traps with sediment buckets, strainers, etc. will reduce maximum flow rating by up to 20%

The table gives general reference when considering overflow of fixtures or sources of water that may be discharged through floor drains.

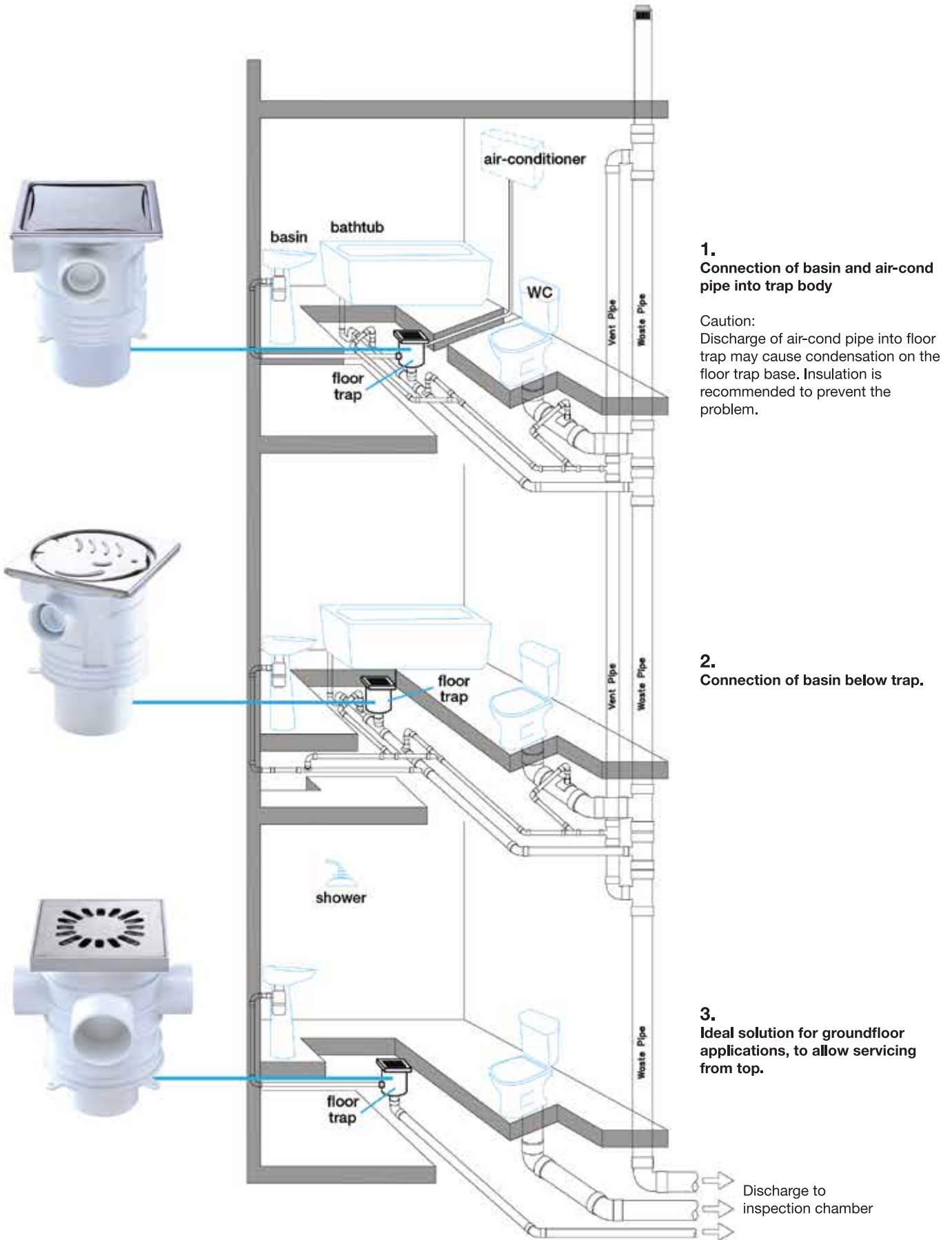
Fixtures	Flow (GPM)
Wash Basin	5-7
Kitchen Sink	8-10
Bath	6-10
Shower	5-8
Washing Machine	4-6
Dish Washing Machine	4-6

Tests undergone by the SANSICO Floor Trap/Gulley

- Load Test
- Depth of Water Seal
- Resistance of Water Seal to Pressure
- Access for Cleaning
- Anti Blockage
- Temperature Cycling
- Odour Tightness
- Water Tightness of Body
- Flow Rate Test



Schematic Layout



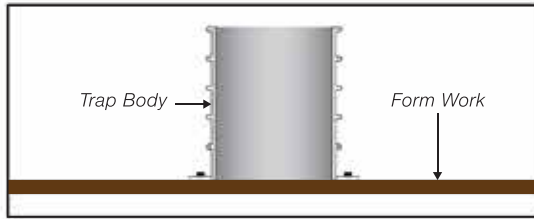
S1
MODEL

S2
MODEL

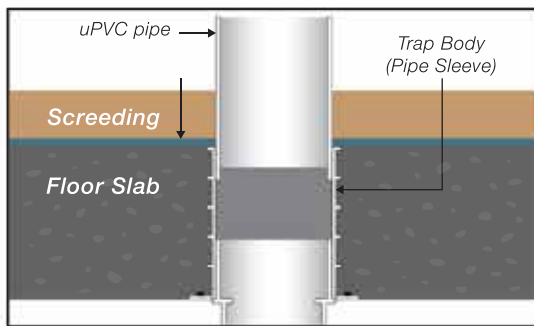
Installation Method

For Floor Slabs
Thickness of 4 inches
(100mm) and above.

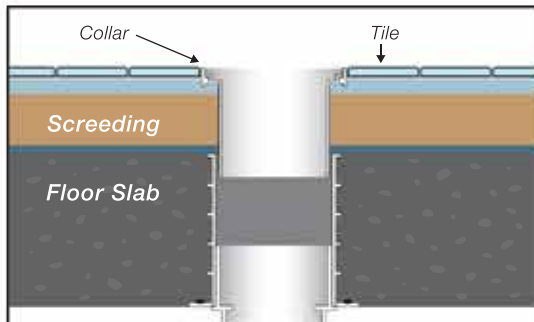
Step 1: Nail trap body to form work.



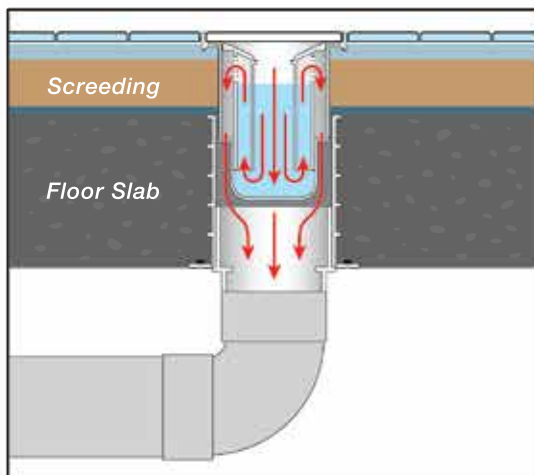
Step 2: Place 3" or 4" uPVC pipe on top of trap body. Water proof and screed.



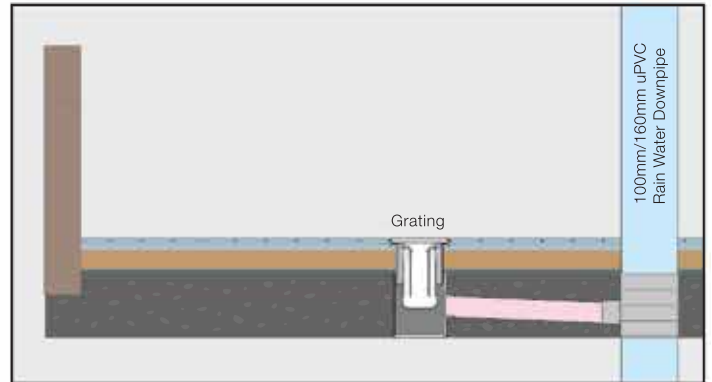
Step 3: Cut uPVC pipe and place collar during tiling.



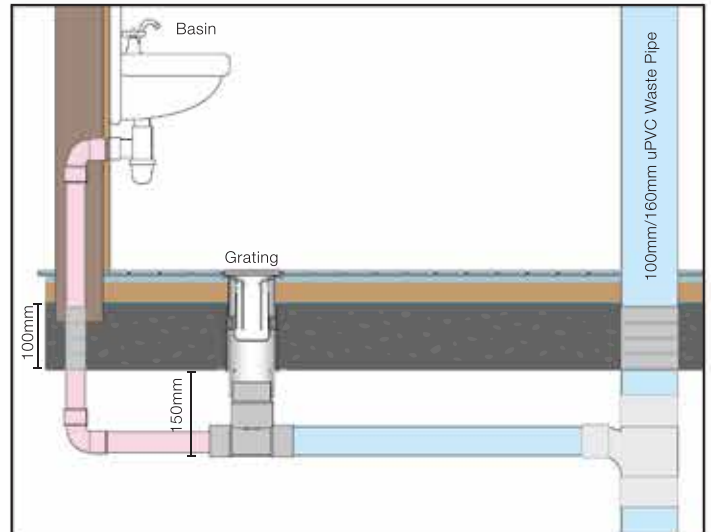
Step 4: Use outlet to make connection to main stack and place grating and trap on the collar.



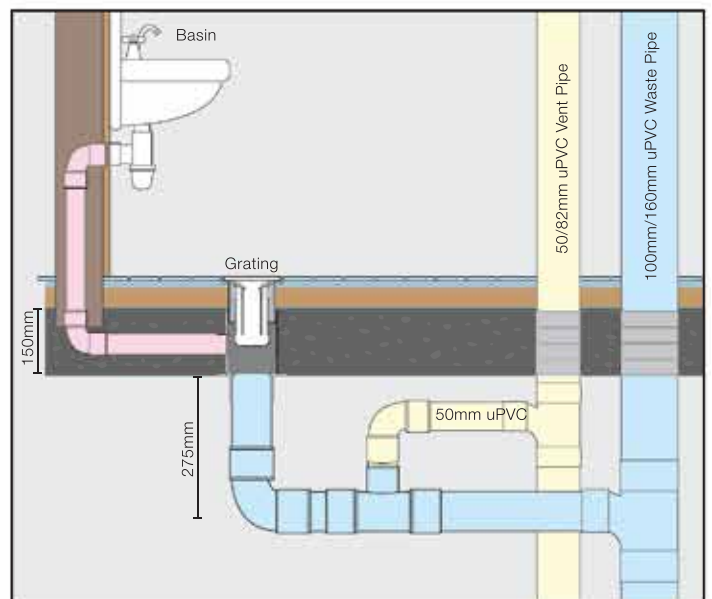
Cross Section Layout (side flow at balcony)



Cross Section Layout (connection of basin below trap)



Cross Section Layout (connection of basin into trap body with venting)



Technical Data

*All connections to trap body for S1 and S2 models should have their individual traps.

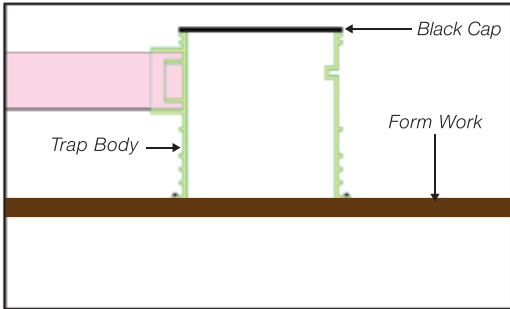


Installation Method

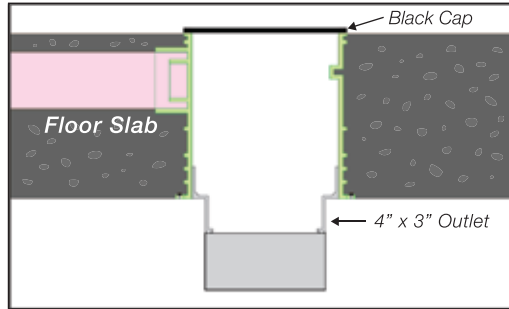
For Floor Slabs
Thickness of 4 inches (100mm) and above.

It is highly recommended to use the black cap cover during installation and concreting.

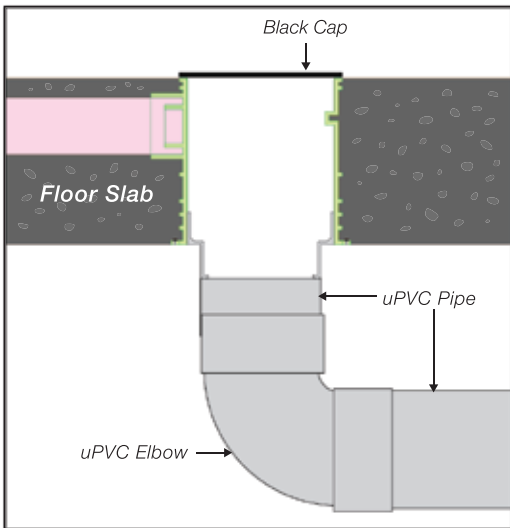
Step 1: Nail the trap body to form work, connect the drain pipes or air-cond discharge pipes if any.



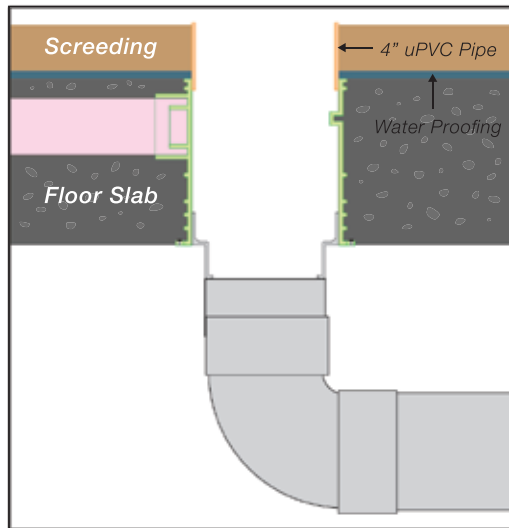
Step 2: Remove form work, fix outlet (with solvent cement).



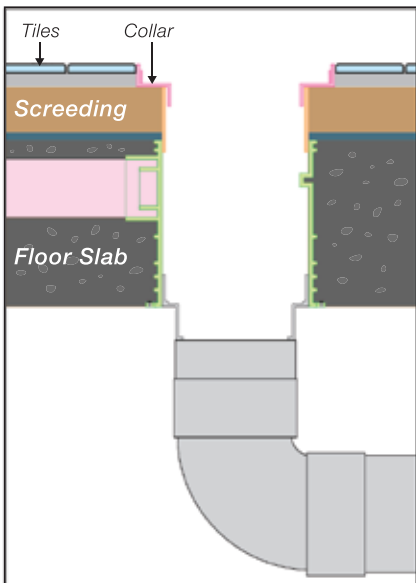
Step 3: Join bend or tee (with solvent cement) and fix uPVC pipe



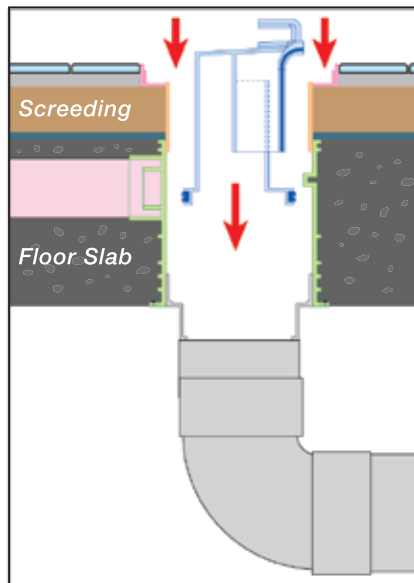
Step 4: Remove black cap (cover), join 4" uPVC pipe to top of the trap body. Water proof and screed.



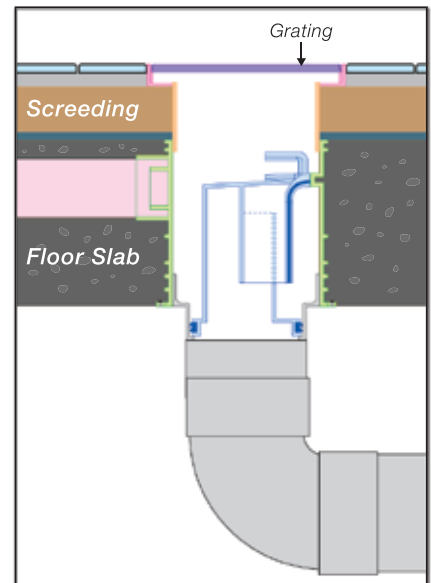
Step 5: Place collar and flush with tile work.



Step 6: Place trap insert.



Step 7: Place grating. Installation completed.



EPDM RUBBER

THE USE OF EPDM RUBBER AS A SEALING MECHANISM

Rubber has proven to be one of the best media for seals in the last 100 years. It has proven to provide an extremely effective and long term seal.

It is highly chemical resistant to acids, alkali's and has excellent weathering properties.

Double fin profile provides superior protection



Technical Data

EPDM rubber seals have been used in pneumatic and hydraulic cylinders (perform very well under high pressures), seals used in water supply and underground sewer pipes (**buried in the ground, extremely chemical resistant, even with sewerage**), seals in vacuum cleaners and vacuum systems, EPDM is used as diaphragms in the palm oil industry and in thousands of other applications in the industry.

FOR THAT REASON THE

SANSICO TOP ACCESS FLOOR TRAP USES EPDM FOR ITS SEAL



this seal **comes with a 20 year factory warranty.** You can rest easy, knowing that our traps are foul smell free and provide you with the best sealing mechanism available in the market

Maximum Service Temperature: 150°C
Minimum Service Temperature: -50°C



Table A1.6: Properties of the vulcanizates of selected rubber types at optimum compound formulation

EPDM RUBBER

	Natural Rubber	Buna CB Bayer Takleue	SBR	Perbunan	Baypren	Silopren	Urepan 600 Isocyanate crosslinked	Therban	Levapren	Polysar Butyl Chlorobutyl, Bromobutyl	Polysar EPDM
Tensile strength with reinforcing fillers	very good	good	very good	very good	very good	fair	very good	very good	good	fair to good	very good
Rebound resilience 20°C	very good	excellent	good	fair to good	good	good	good	fair to good	good	low	good
Rebound resilience 80°C	very good	excellent	good	good	very good	good	good	good	good	fair	good
Abrasion resistance	good	excellent	very good	very good	very good	low	excellent	very good	good	good	good
Compression set	good	good	good	very good	very good	excellent	good	excellent	excellent	fair to good	very good
Hot air resistance	fair	good	good	very good	very good	excellent	good	very good	very good	very good	very good
Low temperature flexibility	very good	very good	good	fair to good	good	excellent	good	good	fair	very good	fair to good
Oxidation resistance	good	good	good	good	good	very good	very good	very good	very good	very good	excellent
Resistance to weathering and ozone	fair	good	fair	fair	very good	excellent	very good	excellent	excellent	very good	excellent
Resistance to hydrolysis	very good	very good	very good	very good	very good	good	fair	very good	good	very good	very good
Flame resistance	fair	fair	fair	fair	very good	good	fair	fair	fair	fair to good	fair
Resistance to petrol	low	low	low	very good	good	low	excellent	very good	low	low	low
benzene	low	low	low	fair	low	low	good	fair	low	low	low
chlorinated hydrocarbons	low	low	low	fair	low	low	good	fair	low	low	low
mineral oils and greases	low	low	low	very good	good	good	excellent	very good	good	low	low
alcohol	good	good	good	low	low	good	fair	low	low	very good	very good
acids(non-oxidizing)	good	good	good	good	good	low	low	good	good	very good	good
alkalis	good	good	good	good	good	low	low	good	good	very good	good
Electrical insulation properties	excellent	excellent	very good	fair	fair	excellent	fair	fair	good	very good	excellent

Literature

Bayer Rubbers, Bayer AG, GB KA, Order No. KA 30929e
 Bayer Products for the Rubber Industry (survey of product range), Order No. KA 3084e
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DIN ISO 1629
 DIN 7724
 ASTM D 2000

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