



PEGASUS Channel

Service . Range . Knowledge



Welcome To Polycon

Polycon is identified as one of the leading manufacturers, distributors, and suppliers of channel drainage in the UK. We focus on creating a diverse range of water solutions, in various materials, including composite, polymer concrete, SMC, and steel.

Polycon's unique look at the market and expert knowledge of the industry ensures we can supply a wide range of high-quality products suitable for any application. This includes building drainage, landscaping, sports facilities, distribution centres, highways, and airports.

Our design team provides innovative and efficient hydraulic solutions to ensure we can offer your drainage needs the best product/ solution. We have a vast and experienced overview of our working industry and have been manufacturing, distributing, and selling channel drainage for over 8 years. We thrive on acting upon your feedback to improve and develop our products to fit flawlessly with the constantly changing market and demand from our customers.

At Polycon we focus our attention on professionals who sit within the construction industry, targeting our products to specifiers, architects, engineers, and contractors. Therefore, we understand the importance of expanding our product portfolio to create the most efficient surface water drainage systems.

We are a dynamic and evolving company with a focus on quality, innovation, and service. As a result, you can rely on us to handle your project needs in every way to the best of our ability.

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Service • Range • Knowledge

PEGASUS Channel

The Pegasus Drainage system is designed with a streamlined profile, ensuring efficient water flow and the prevention of water build-up or pooling, keeping your property safe and protected. The channels design and shallow profile facilitate a straightforward installation, reducing labour time and costs. Additionally, its grating is easily removable for maintenance purposes, ensuring a hassle-free upkeep and cleaning process.

The Pegasus channel boasts a sleek and modern design, allowing you to create an eye catching environment. Due to its unobtrusive appearance, the Pegasus channel complements the surrounding landscapes whilst effectively performing its drainage function. At Polycon we are committed to maintaining high industry standards, ensuring that the Pegasus drainage channel meets all necessary regulations and quality requirements



Load Class



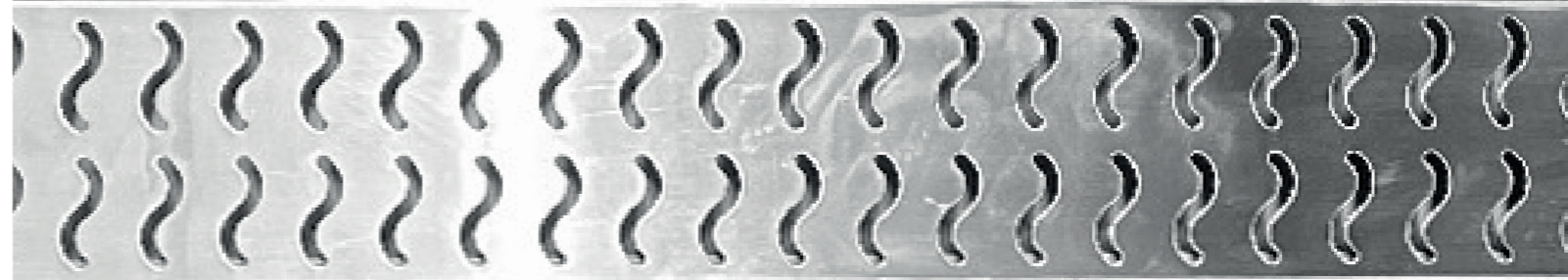
1.5t

A15
1.5 tonnes

Applications

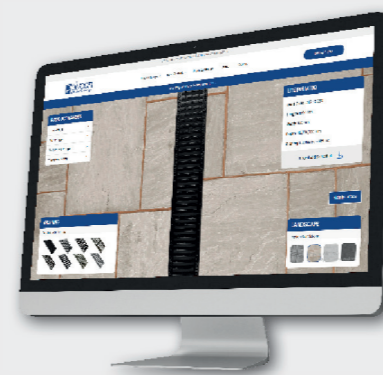
- Patios
- Porcelain Paved Areas
- Paved Areas
- Natural Stone

PEGASUS Channel

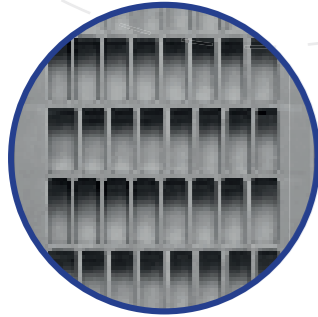


VIRTUAL LANDSCAPE

Not sure what you are looking for? Check out our Pegasus systems against multiple paving backgrounds on our virtual landscape feature. You can mix and match gratings against multiple backgrounds to achieve the ultimate desired look. Each visual can be downloaded as a PDF and sent to customers along with a technical overview of your chosen system. Try today at www.polycon.co.uk.



PEGASUS Channel - Overview



Grating Options

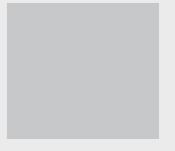
The Pegasus system has a total of 6 compatible grating options that can withstand an A15 load. These range from composite to stainless steel. The composite gratings are available in black, white, grey, and sand. The Dot and Wave gratings are stainless steel and provide a more obvious aesthetic look when installed.

Material

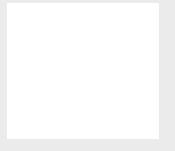
The Pegasus channel base is made from a strong yet lightweight composite material. This makes for an easy installation whilst ensuring a reliable solution that can withstand pedestrian traffic. The system comes as a complete composite system unless it is paired with the stainless steel Dot or Wave grating tops.

Colour Options

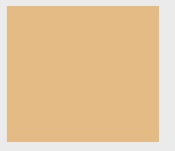
Grey



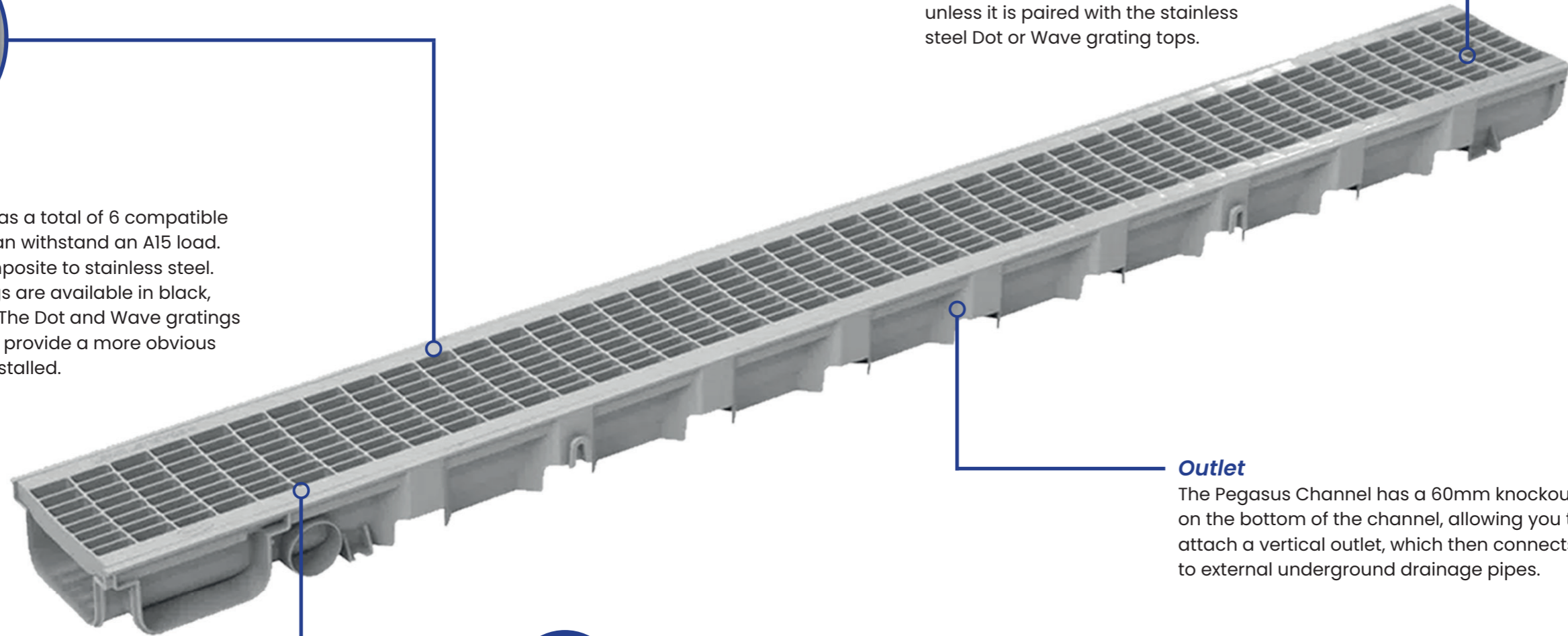
White



Sand



Black



Outlet

The Pegasus Channel has a 60mm knockout on the bottom of the channel, allowing you to attach a vertical outlet, which then connects to external underground drainage pipes.



SAFEHEEL

Load Classes



1.5t

A15

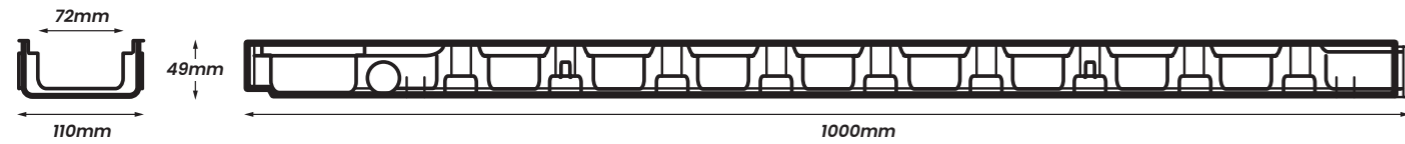
Depth Options



49mm

PEGASUS Channel - 49mm

The Pegasus Channel is one of the shallowest channels in the industry with a depth of just 49mm. This makes it ideal for any urbanised areas where there is limited room for excavation. This Channel has a load class for A15 (1.5 Tonne) and is suitable for urban and domestic areas where slow-moving traffic and pedestrians will be traveling across the channel.



Accessories

- End Caps
- End Cap Outlets



End Cap Outlets

End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.



End Caps

End caps for the Pegasus Channel can be used at the end of your channel run to stop the flow of water.

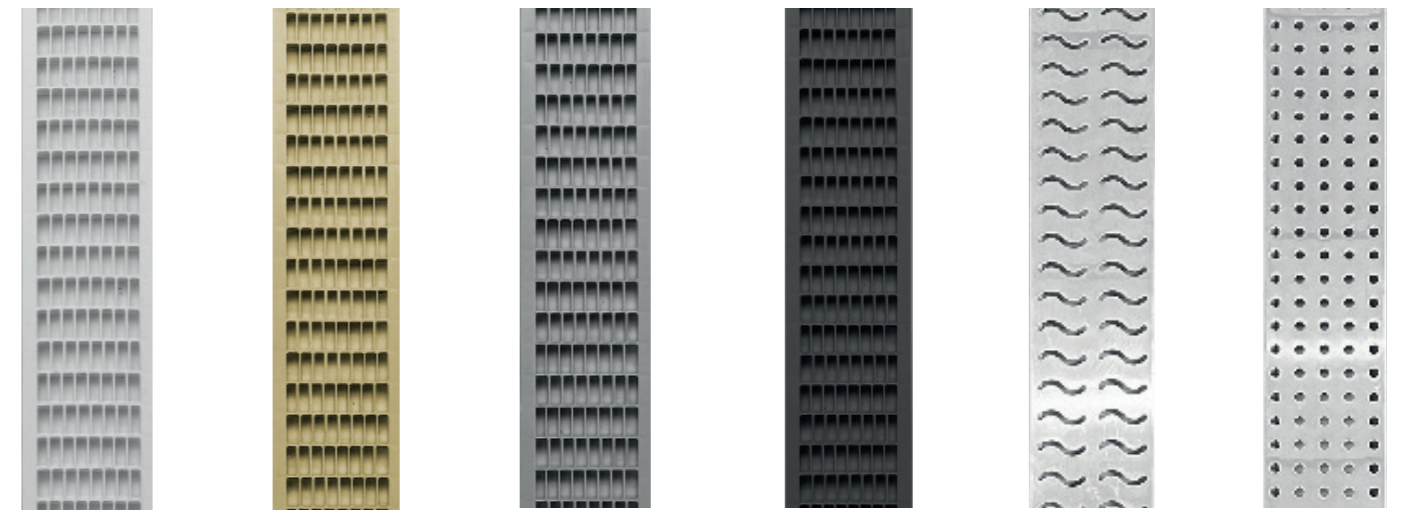


Accessory - Specifications

Reference	Description	Height (mm)	Overall Width	Weight (KG)	Load Class	Outlet (mm)
EO.PEG.W	End Cap Outlet White	49	90	-	A15	30
EO.PEG.S	End Cap Outlet Sand	49	90	-	A15	30
EO.PEG.G	End Cap Outlet Grey	49	90	-	A15	30
EO.PEG.B	End Cap Outlet Black	49	90	-	A15	30
EC.PEG.W	End Cap White	49	90	-	A15	-
EC.PEG.S	End Cap Sand	49	90	-	A15	-
EC.PEG.G	End Cap Grey	49	90	-	A15	-
EC.PEG.B	End Cap Black	49	90	-	A15	-

*Colour is dependent on the channel selected

Grating Options - 49mm



Composite Mesh White (A15)

Composite Mesh Sand (A15)

Composite Mesh Grey (A15)

Composite Mesh Black (A15)

Stainless Steel Wave (A15)

Stainless Steel Dots (A15)

Grating - Specifications

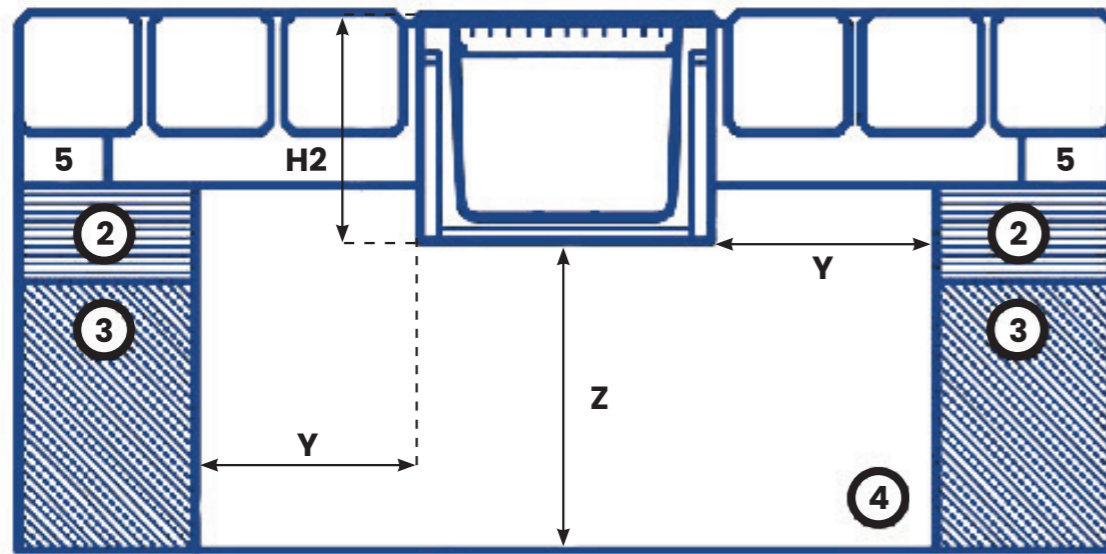
Reference	Description	Length (mm)	Slot Width/ Diameter	Overall Width	Load Class	SafeHeel
GR.PEG.W	Composite Mesh White	1000	7mm	90	A15	✓
GR.PEG.S	Composite Mesh Sand	1000	7mm	90	A15	✓
GR.PEG.G	Composite Mesh Grey	1000	7mm	90	A15	✓
GR.PEG.B	Composite Mesh Black	1000	7mm	90	A15	✓
GR.PEG.WV	Stainless Steel Wave	1000	4mm	90	A15	✓
GR.PEG.D	Stainless Steel Dots	1000	6mm	90	A15	✓

Installation Guide

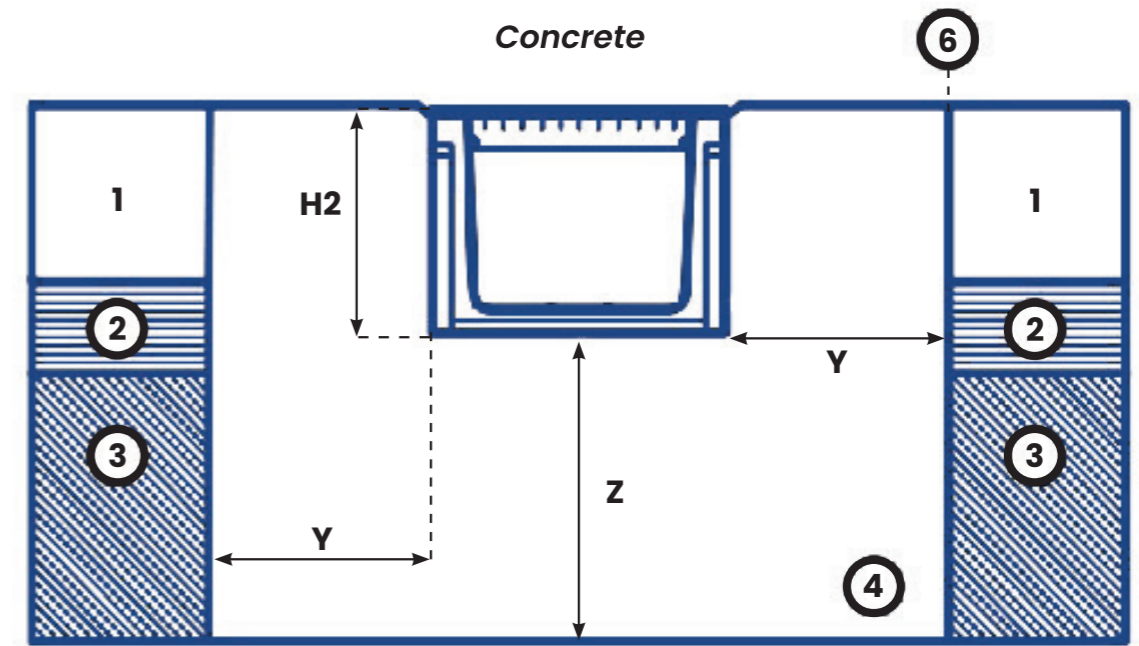
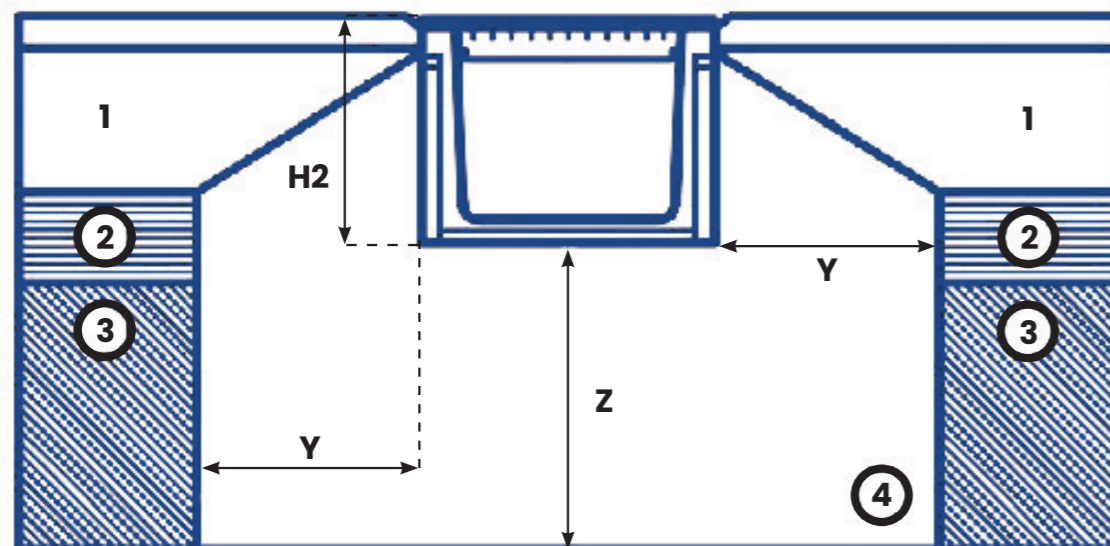
Ground conditions must be suitable and all dimensions shown are the minimum requirement. Engineering advice should be taken where necessary and any questions should be directed to Polycon's technical team by emailing us at sales@polycon.co.uk or by calling us at **0151 424 9747**.

1	2	3	4	5	6
Concrete	Sub Base	Earth	Concrete Haunch	Sand Layer	Expansion Joint

Block Paving



Tarmac



Load Class	A15	B125	C250
H2 - Channel Height	Channel Height	Channel Height	Channel Height
Y - Minimum Surround	100mm	150mm	150mm
Z - Minimum Surround	100mm	150mm	150mm
T1 - Minimum Depth	40mm	40mm	40mm
T2 - Maximum Depth	95mm	55mm	55mm

** Minimum Concrete Haunch 25 N/mm².
Detail A allow for overbuild of 3mm to 5mm above the grating surfaces.





Polycon Surface Water Drainage

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