



KE 100 *Paveslot*

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 towards creating a diverse range of water solutions, in a variety of different materials, including composite, polymer concrete, SMC, and steel.

Polycon's unique look at the market and expert knowledge of the industry ensures that 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 the best product/ solution for your drainage needs. 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

KE 100 Paveslot

The KE 100 Paveslot channel is a versatile and innovative drainage solution that offers a multitude of advantages in construction and civil engineering projects. At the heart of its design lies the exceptional combination of a galvanised or stainless-steel edge rail and a core made from polymer concrete. This unique blend of materials results in a drainage channel that not only excels in durability but also offers a range of practical benefits that make it a popular choice for a wide array of applications.

The incorporation of galvanised or stainless steel edge rails within the KE 100 Paveslot channel is a standout feature. This steel component enhances the product's strength and longevity, ensuring that it can withstand traffic loads and harsh environmental conditions.

The corrosion resistant properties of these materials make the KE 100 Paveslot channel an excellent choice for projects where extended service life and minimal maintenance are essential. Furthermore, the steel edge rail provides crucial structural support to the entire drainage system, preventing deformation and ensuring efficient water conveyance.

The core of the KE 100 Paveslot channel is constructed from polymer concrete, which offers several advantages in terms of durability and performance. This material is highly resistant to chemical and physical wear, making it an ideal choice for applications in industrial and commercial settings where exposure to corrosive substances is a concern. Additionally, the polymer concrete core is lightweight, facilitating easier handling and installation, while also promoting a reduction in transportation costs.

Load Class



1.5t

A15
1.5 tonnes



12.5t

B125
12.5 tonnes



25t

C250
25 tonnes



40t

D400
40 tonnes

Applications

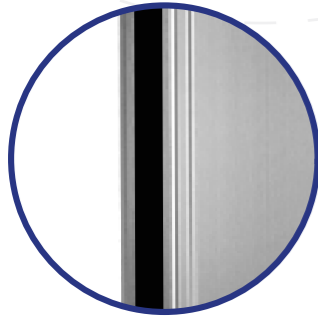
- Driveways
- Car parks
- Farms
- Commercial & civil areas

KE 100 PAVESLOT



KE 100 Paveslot – Overview

Colour Options







Grating
 KE 100 Offset Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design.

We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.









Material
 The KE 100 channel's construction from polymer concrete presents a host of compelling benefits. Polymer concrete combines the durability of traditional concrete with the added advantages of polymer resins, resulting in a material that is exceptionally strong and resistant to corrosion, chemicals, and UV radiation. This makes the channel highly durable and ideal for long-lasting outdoor applications. Furthermore, the lightweight nature of polymer concrete simplifies installation, reducing labour costs and environmental impact.

Load Classes

 1.5t	 12.5t	 25t	 40t
A15	B125	C250	D400

Depth Options

					
60mm	80mm	100mm	150mm	200mm	250mm

Accessories

Sump Unit

Sump Units act as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation. The Sump Unit is excellent for collecting debris and waste that can get into the system. It comes with a silt bucket inside for easy cleaning.



Sump Unit

End Cap

End Caps can be used at the end of your channel run to stop the flow of water.



End Cap

End Cap Outlet

The 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 Cap Outlet

Access Tray

Access trays are typically used for maintenance and inspection purposes, they are installed at strategic points along the channel, often at intervals where they can be easily reached for cleaning, inspection, or repairs.



Access Tray

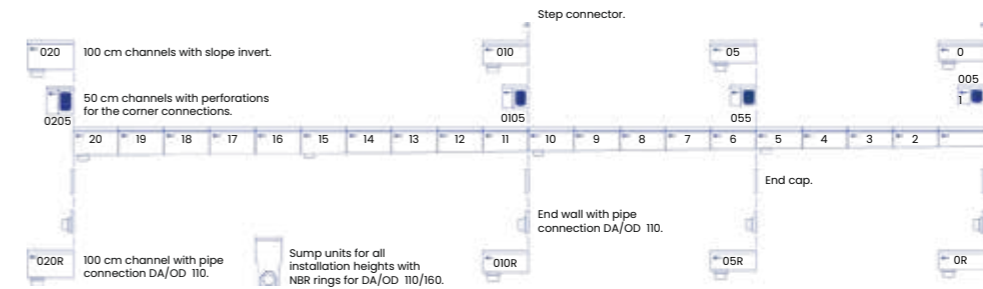
Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Slot Width	Weight (KG)	Outlet
KE.100.SU	KE 100 Sump Unit	500mm	450mm	140mm	-	14.8kg	110mm
KE.100.DSU	KE 100 Deep Sump Unit	500mm	585mm	140mm	-	21.8kg	110mm
KE.100.EC	KE 100 End Cap for channel No. 0 - 0205	30mm	150-250mm	140mm	-	0.6kg	-
KE.100.ECO	KE 100 End Cap Outlet	30mm	160mm	140mm	-	0.7kg	110mm
KE.100.AT.G	KE 100 Access Tray - Galvanised	500mm	105mm	123mm	10mm	6.5kg	-
KE.100.AT.SS	KE 100 Access Tray - Stainless Street	500mm	105mm	123mm	10mm	6.5kg	-

Sloped, Stepped, Level

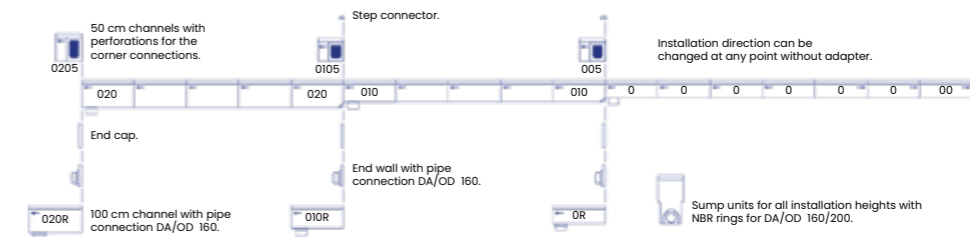
Sloped Invert

A channel run with a sloped invert has a consistent downward gradient along its length. The slope is designed to provide a continuous downward flow of water, allowing gravity to assist in the drainage of water. When using a sloped channel it is carefully calculated to ensure that the water will flow at an appropriate velocity to prevent sedimentation or excessive erosion.



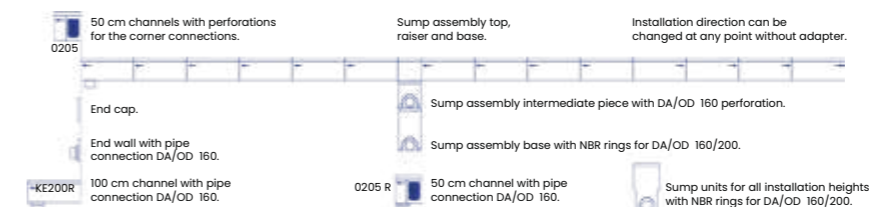
Stepped Invert

Stepped drainage channels are designed with a series of steps or drops along the run of the channel. These steps create a cascading effect, which helps to control the velocity of the water and prevent erosion.



Level Invert

Level inverts are usually used in areas with relatively low slopes or insignificant water rates. They allow water to flow smoothly and evenly without the need for any significant changes in elevation. Channels with a level invert are often used in urban areas, where the goal is to transport water efficiently and prevent flooding.



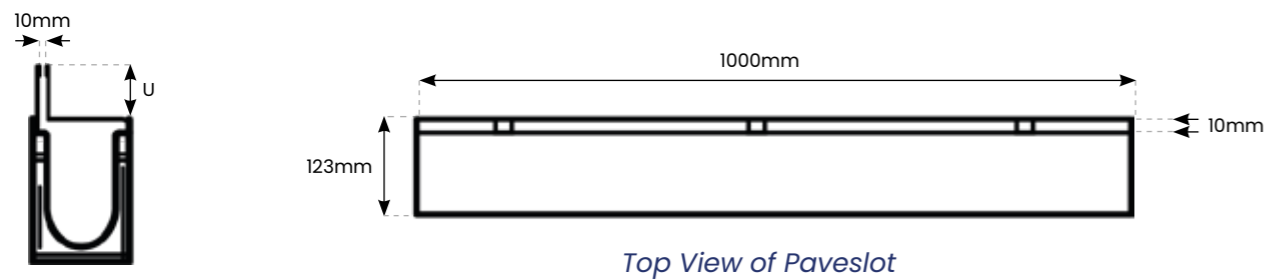
KE 100 - Offset Single Paveslot

KE 100 Offset Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Diagram - Offset Single Paveslot



Top View of Paveslot

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
OS.10060.P.G	Galvanised Offset Single Paveslot 60mm	500/1000	10mm	123mm	C/D	60mm
OS.10105.P.G	Galvanised Offset Single Paveslot 105mm	500/1000	10mm	123mm	C/D	105mm
OS.10150.P.G	Galvanised Offset Single Paveslot 150mm	500/1000	10mm	123mm	C/D	150mm
OS.10060.P.SS	Stainless Steel Offset Single Paveslot 60mm	500/1000	10mm	123mm	C/D	60mm
OS.10105.P.SS	Stainless Steel Offset Single Paveslot 105mm	500/1000	10mm	123mm	C/D	105mm
OS.10150.P.SS	Stainless Steel Offset Single Paveslot 150mm	500/1000	10mm	123mm	C/D	150mm

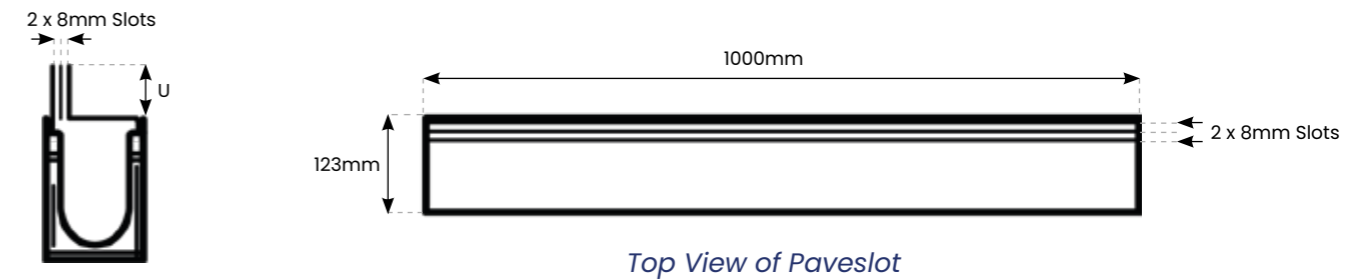
KE 100 - Offset Twin Paveslot

KE 100 Offset Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Diagram - Offset Twin Paveslot



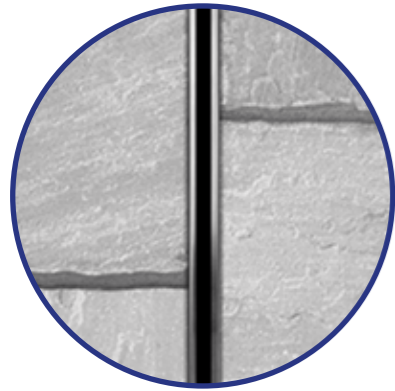
Top View of Paveslot

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
OT.10060.P.G	Galvanised Offset Twin Paveslot 60mm	500/1000	2x8mm	123mm	C/D	60mm
OT.10105.P.G	Galvanised Offset Twin Paveslot 105mm	500/1000	2x8mm	123mm	C/D	105mm
OT.10150.P.G	Galvanised Offset Twin Paveslot 150mm	500/1000	2x8mm	123mm	C/D	150mm
OT.10060.P.SS	Stainless Steel Offset Twin Paveslot 60mm	500/1000	2x8mm	123mm	C/D	60mm
OT.10105.P.SS	Stainless Steel Offset Twin Paveslot 105mm	500/1000	2x8mm	123mm	C/D	105mm
OT.10150.P.SS	Stainless Steel Offset Twin Paveslot 150mm	500/1000	2x8mm	123mm	C/D	150mm

KE 100 - Centre Single Paveslot

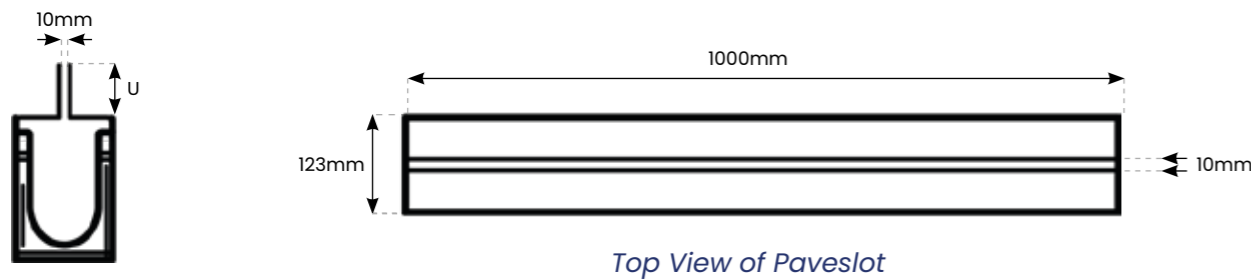
KE 100 Centre Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram - Centre Single Paveslot



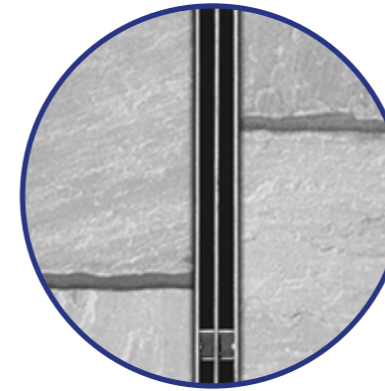
Top View of Paveslot

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
CS.10060.P.G	Galvanised Centre Single Paveslot 60mm	500/1000	10mm	123mm	C/D	60mm
CS.10105.P.G	Galvanised Centre Single Paveslot 105mm	500/1000	10mm	123mm	C/D	105mm
CS.10150.P.G	Galvanised Centre Single Paveslot 150mm	500/1000	10mm	123mm	C/D	150mm
CS.10060.P.SS	Stainless Steel Centre Single Paveslot 60mm	500/1000	10mm	123mm	C/D	60mm
CS.10105.P.SS	Stainless Steel Centre Single Paveslot 105mm	500/1000	10mm	123mm	C/D	105mm
CS.10150.P.SS	Stainless Steel Centre Single Paveslot 150mm	500/1000	10mm	123mm	C/D	150mm

KE 100 - Centre Twin Paveslot

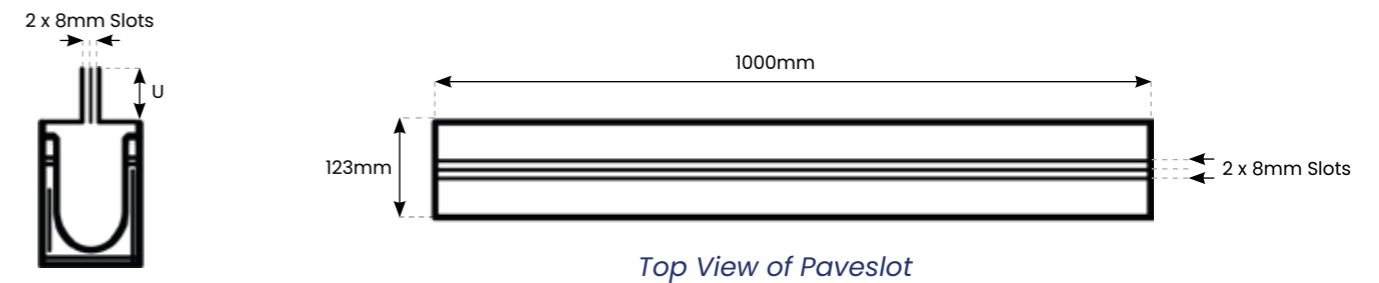
KE 100 Centre Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram - Centre Twin Paveslot



Top View of Paveslot

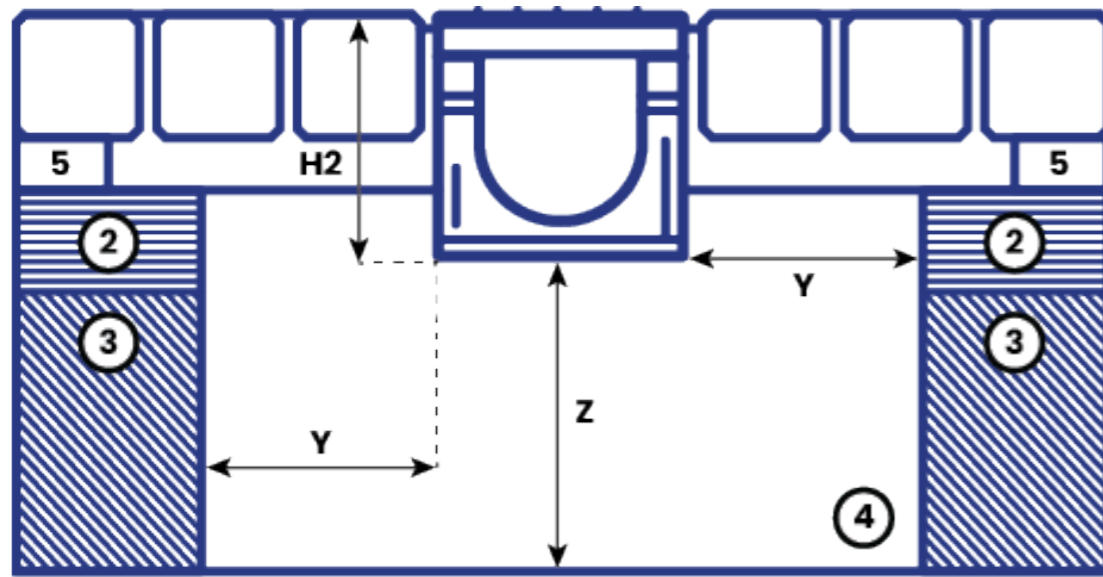
Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
CT.10060.P.G	Galvanised Centre Twin Paveslot 60mm	500/1000	2x8mm	123mm	C/D	60mm
CT.10105.P.G	Galvanised Centre Twin Paveslot 105mm	500/1000	2x8mm	123mm	C/D	105mm
CT.10150.P.G	Galvanised Centre Twin Paveslot 150mm	500/1000	2x8mm	123mm	C/D	150mm
CT.10060.P.SS	Stainless Steel Centre Twin Paveslot 60mm	500/1000	2x8mm	123mm	C/D	60mm
CT.10105.P.SS	Stainless Steel Centre Twin Paveslot 105mm	500/1000	2x8mm	123mm	C/D	105mm
CT.10150.P.SS	Stainless Steel Centre Twin Paveslot 150mm	500/1000	2x8mm	123mm	C/D	150mm

Installation Guide

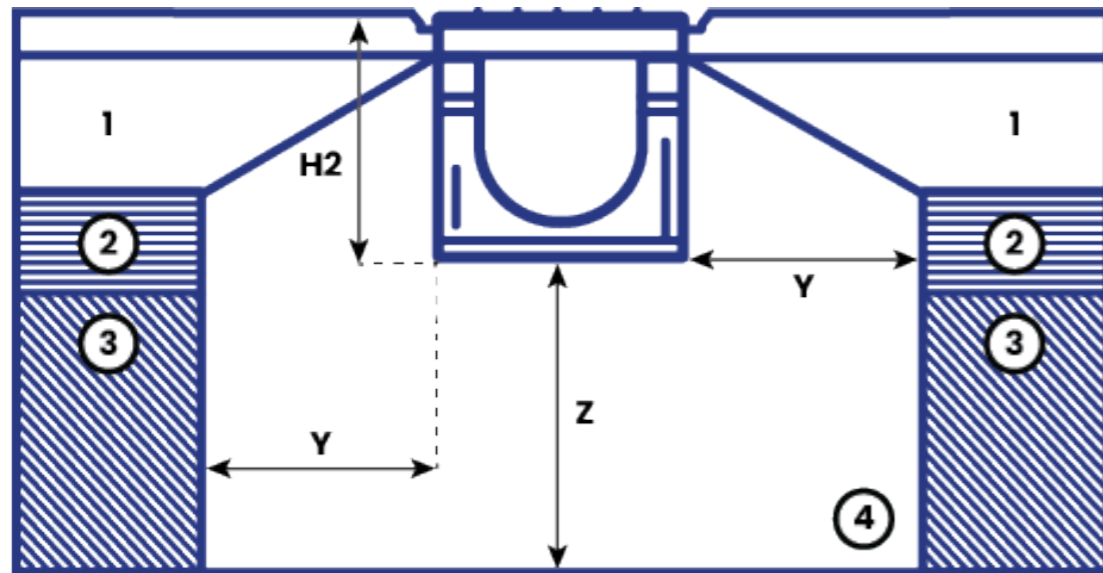
Ground conditions must be suitable and all dimensions shown are the minimum requirement. Engineering advice should be taken where necessary and any questions should be directed to Polycon's technical team by emailing us at sales@polycon.co.uk or by calling us on **0151 424 9747**.

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

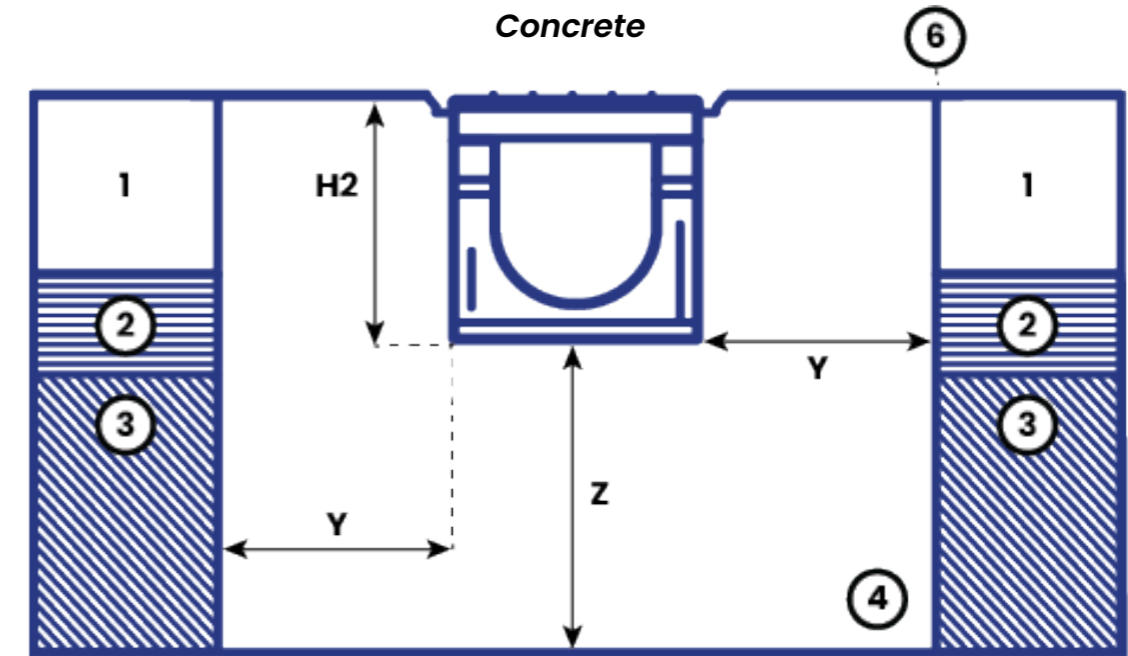
Block Paving



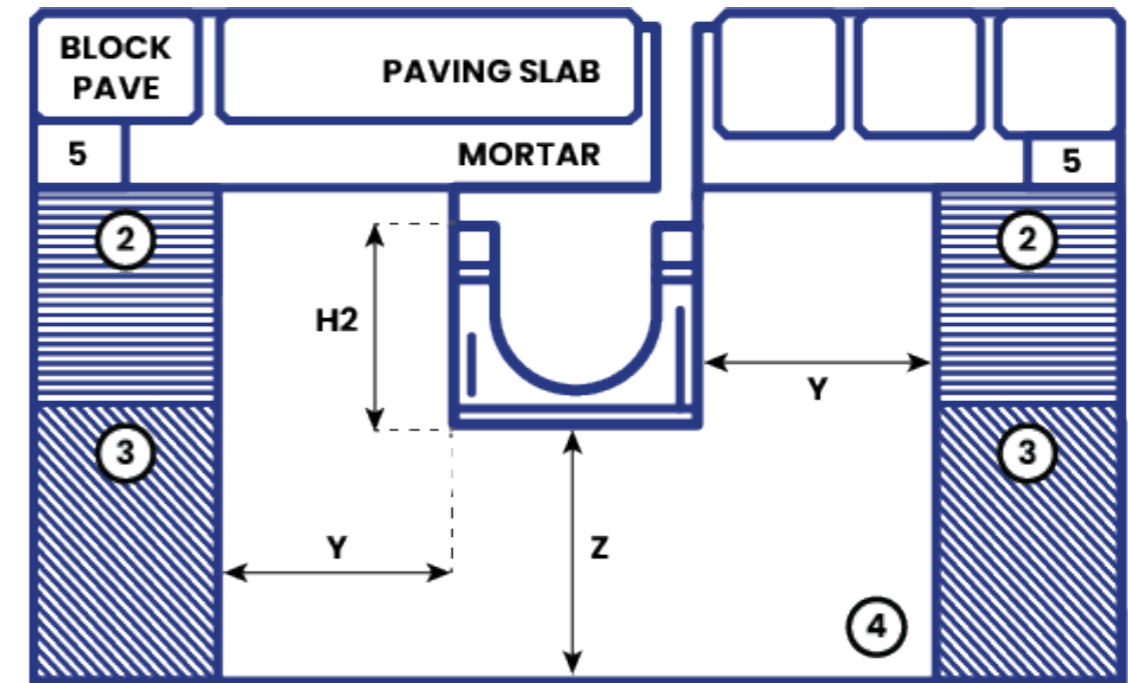
Tarmac



Concrete



Paveslot



Load Class	A15	B125	C250	D400	E600
H2 - Channel Height	Channel Height	Channel Height	Channel Height	Channel Height	Channel Height
Y - Minimum Surround	100mm	150mm	150mm	200mm	200mm
Z - Minimum Surround	100mm	150mm	150mm	200mm	200mm
T1 - Minimum Depth	40mm	40mm	40mm	40mm	40mm
T2 - Maximum Depth	95mm	55mm	55mm	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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