



A2F 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 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

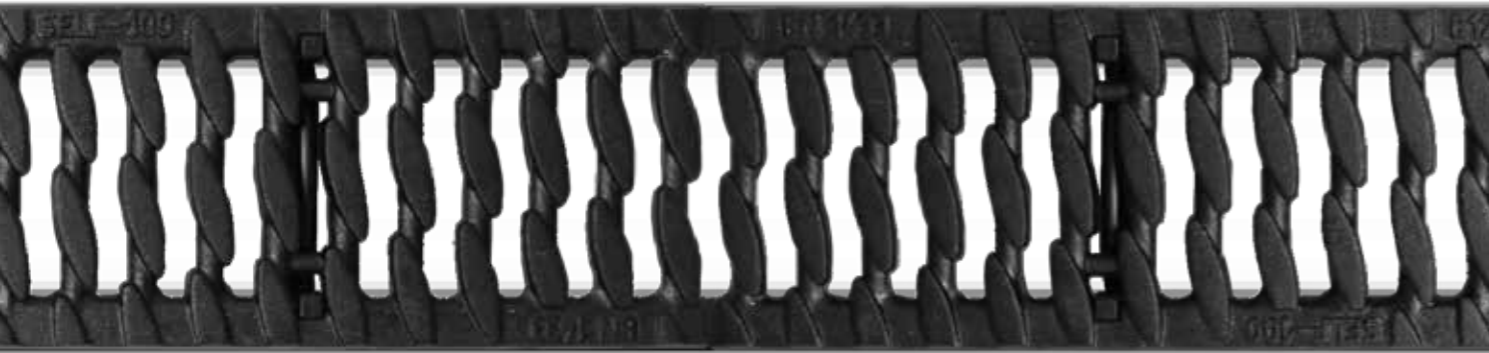
A2F Channel

Polycons A2F drainage channel stands out as an innovative solution in the field of surface water management, delivering unmatched efficiency and adaptability. Crafted from polymer concrete, this channel epitomizes durability and resilience, capable of withstanding the diverse challenges posed by various environments. With a robust construction and innovative design, the Polycons A2F channel stands as a testament to engineering excellence, setting new standards in drainage systems.

One of the most distinctive features of the Polycons A2F drainage channel lies in its flexibility, accommodating a wide array of grating options. With over 10 different grating options available, ranging from sleek stainless steel designs to heavy-duty ductile iron, this channel ensures adaptability to diverse aesthetic preferences and functional requirements.

Whether installed in car parks, expansive farms, or busy shopping centres, the Polycons A2F channel seamlessly integrates into its surroundings while delivering exceptional performance.

the Polycons A2F drainage channel is the ideal choice for commercial areas seeking a reliable, durable, and visually appealing solution for surface water management. Its combination of strength, versatility, and aesthetic customisation makes it a standout feature in any commercial landscape, contributing to both safety and the overall aesthetic ambiance of the space.



Load Class



1.5t

A15
1.5 tonnes



12.5t

B125
12.5 tonnes



25t

C250
25 tonnes



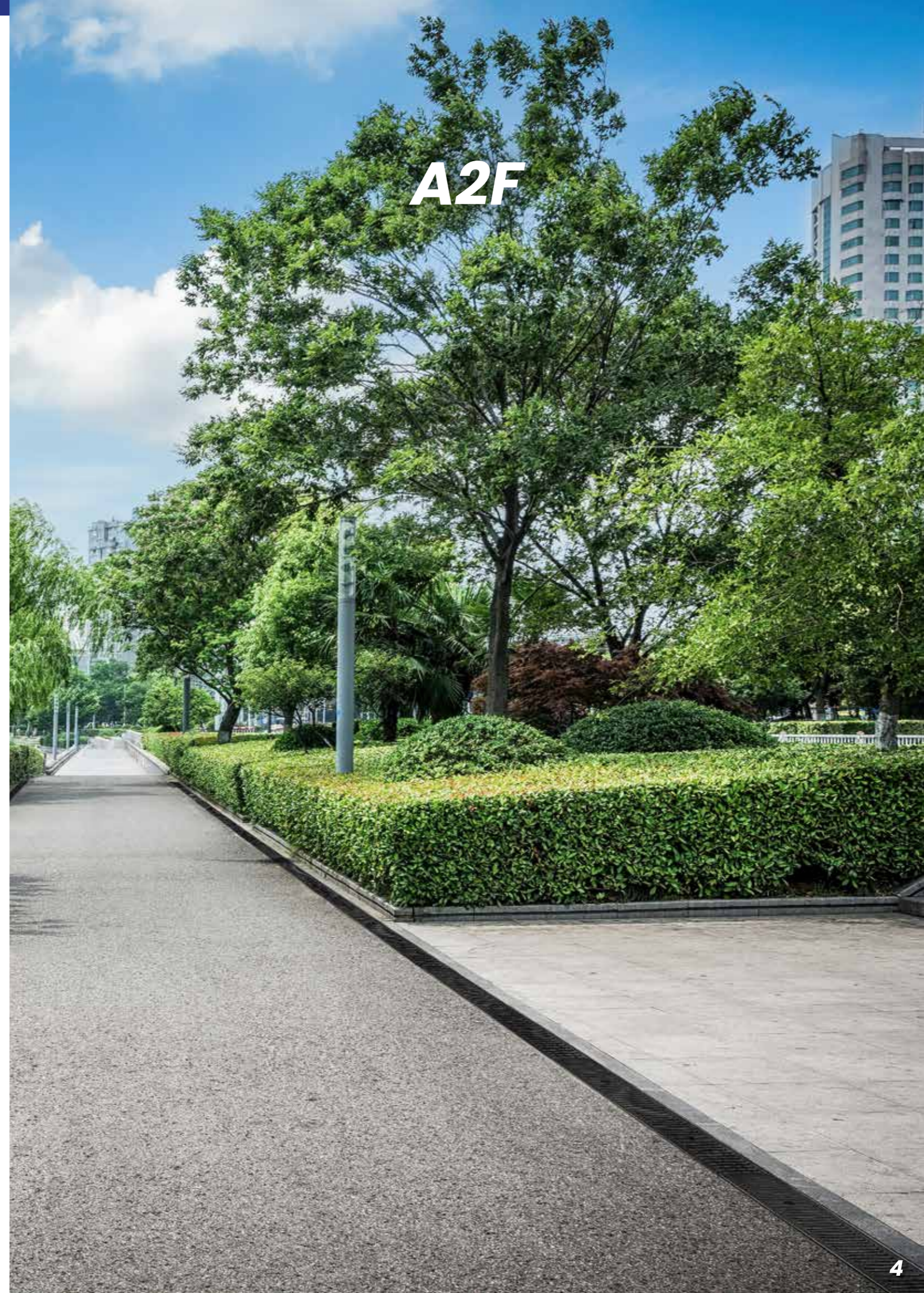
40t

D400
40 tonnes

Applications

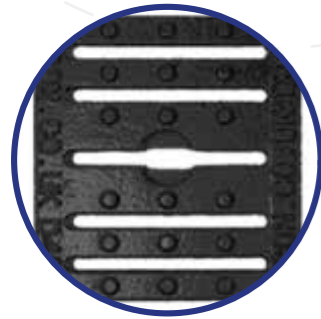
- Driveways
- Car parks
- Farms
- Commercial & civil areas

A2F



A2F Channel - Overview

Colour Options

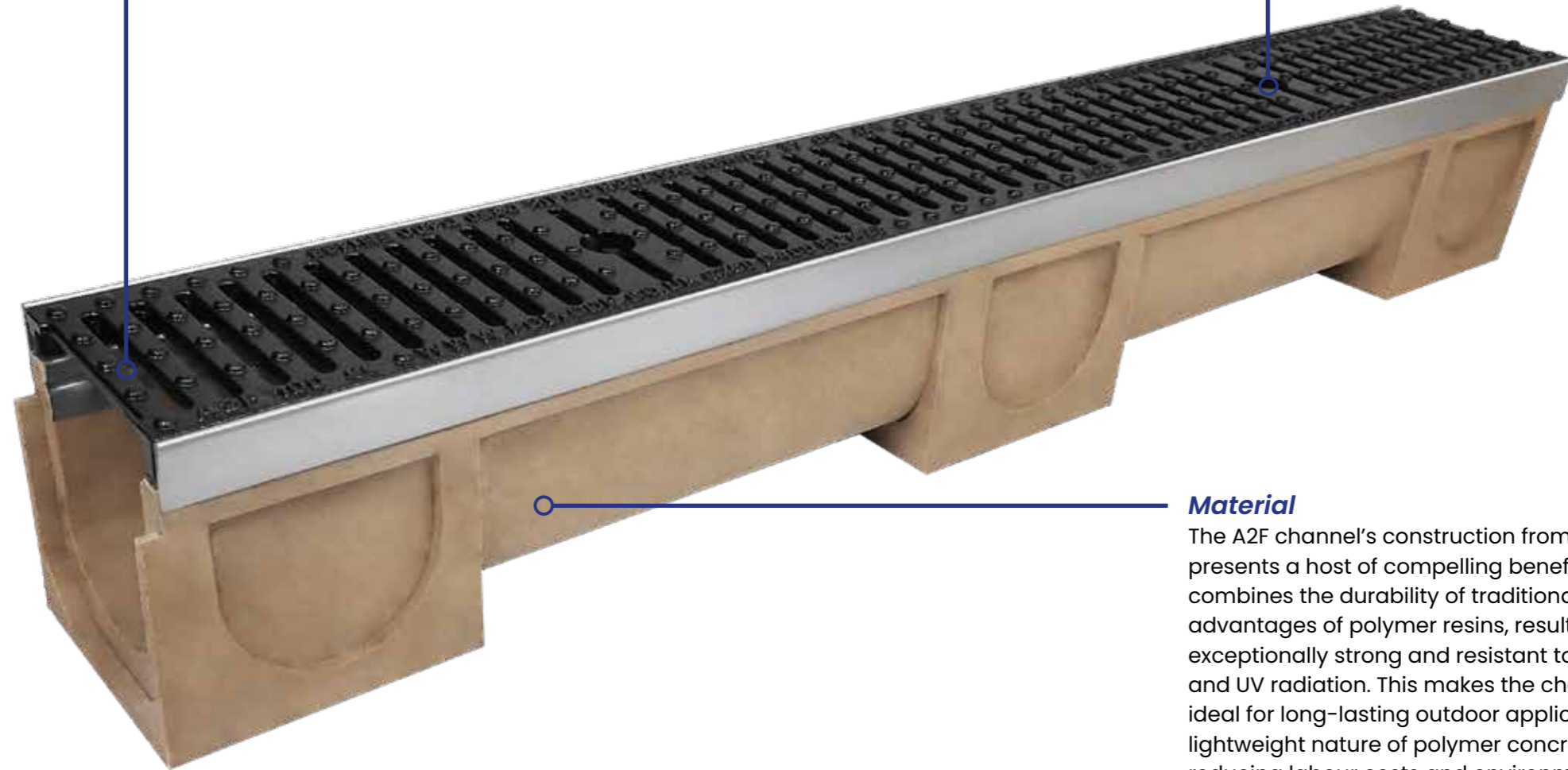


Grating Options

A2F channel offers a remarkable variety of 10 different grating options, allowing for customized solutions tailored to specific project requirements. These grating choices encompass a wide spectrum of designs, materials, and load-bearing capacities, ensuring adaptability to diverse applications. These grates can be crafted from materials like galvanised or stainless steel, ductile iron, and composite materials, offering exceptional resistance to corrosion, exceptional load-bearing capabilities, and enhanced aesthetic appeal.

Bolt & Bar

Bolt & Bar fastenings are optimised for the specific load classes and unite reliability and high quality with functional design.



Material

The A2F 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



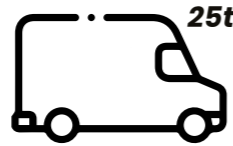
1.5t

A15



12.5t

B125



25t

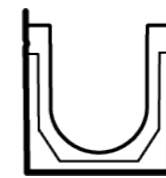
C250



40t

D400

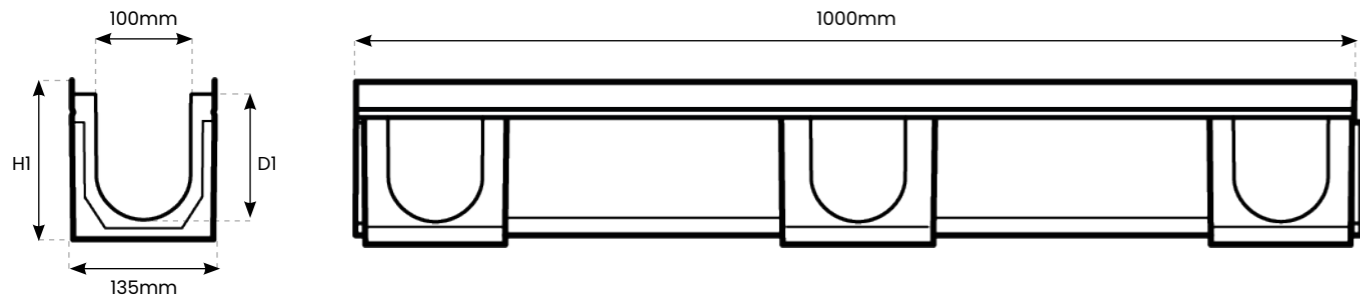
Depth Options



150mm

A2F Channel

Polycons A2F drainage channel transcends traditional drainage solutions, embodying a fusion of cutting-edge technology and practical innovation. With its unrivalled durability, versatile design, and broad applicability, it emerges as the cornerstone of effective surface water management, poised to redefine the standards of excellence in drainage infrastructure.



Channel - Specifications

Reference	Description	Length	Overall Width	Internal Width	Overall Depth(H1)	Internal Depth(D1)	Weight
A2F	A2F - Channel	1000mm	135mm	100mm	150mm	130mm	15.2kg

Accessories

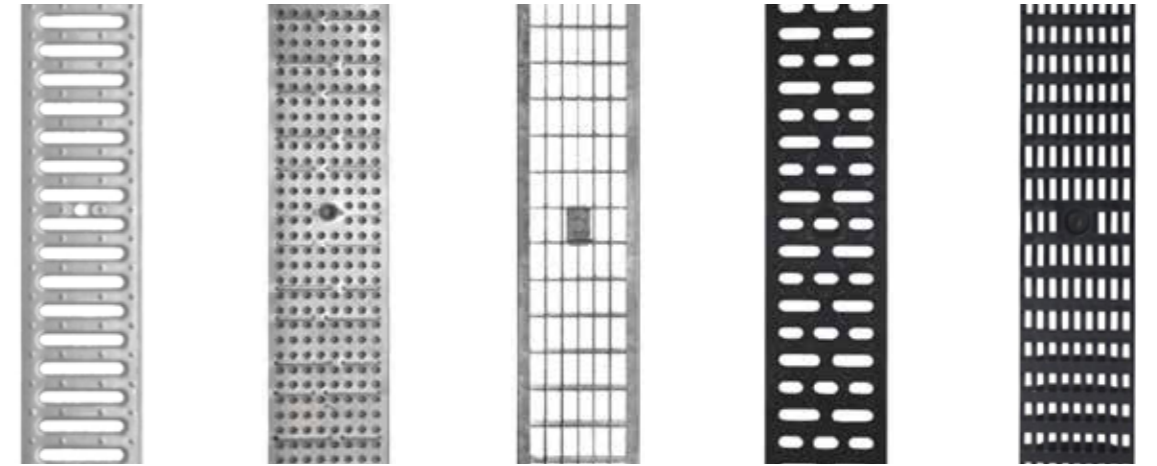
Polycons A2F Drainage Channel comes with a full range of accessories, including the sump unit for efficient sediment and debris collection, the access tray for easy maintenance access, and the end cap and end cap outlet for a polished finish and controlled water discharge. These accessories seamlessly integrate with the A2F channel, enhancing its functionality and versatility in commercial, industrial, and public spaces.



Accessories - Specifications

Reference	Description	Length	Height (H)	Overall Width	Slot Width	Weight (KG)	Outlet
A2F.SU	A2F Sump Unit	500mm	400mm	135mm	-	21kg	110/160mm
A2F.EC	A2F End Cap	30mm	150-250mm	135mm	-	0.6kg	-
A2F.ECO	A2F End Cap Outlet	30mm	160mm	135mm	-	0.7kg	110mm
A2F.AT.G	A2F Access Tray - Galvanised	500mm	105mm	123mm	10mm	6.5kg	-
A2F.AT.SS	A2F Access Tray - Stainless Street	500mm	105mm	123mm	10mm	6.5kg	-

Grating Options



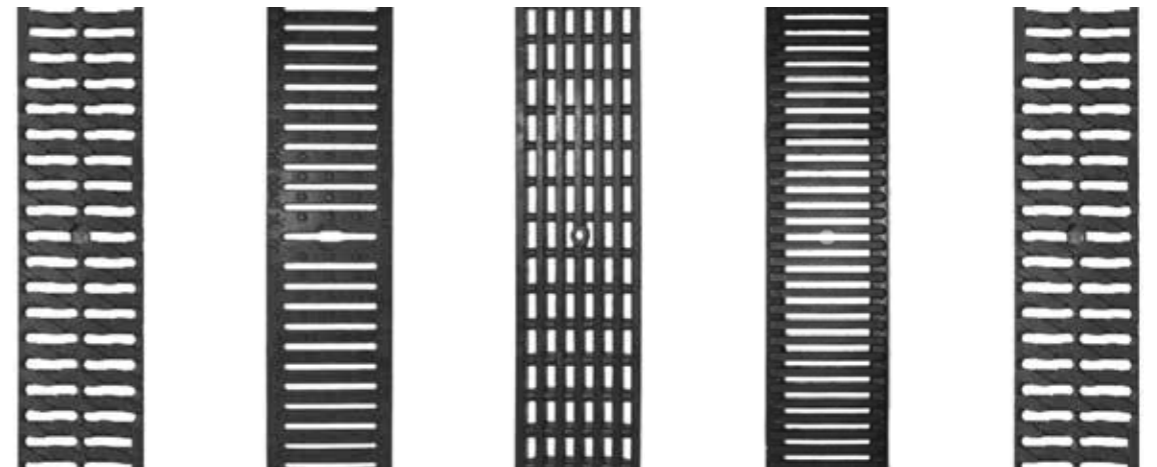
Slotted Steel Grating (C250)

Perforated Steel Grating (C250)

Mesh Steel Grating (C250)

Composite Slotted Grating (A15)

Composite Mesh Grating (B125)



Composite Oval Grating (C250)

Ductile Iron Slotted Grating (D400)

Ductile Iron Longitudinal Grating (D400)

Ductile Iron Narrow Slotted Grating (D400)

Ductile Iron Oval Grating (E600)

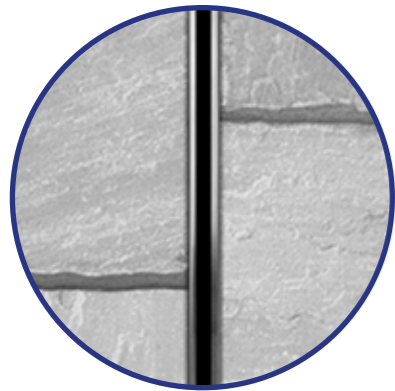
Grating - Specifications

Reference	Description	Lengths (mm)	Overall Width	Weight	Load Class	Safe Heel
A2F.SSG	A2F Slotted Steel Grating	500/1000	123mm	2.4kg	A/C	Yes
A2F.SSPG	A2F Slotted Steel Perforated Grating	500/1000	123mm	1.9kg	A/C	Yes
A2F.MSG	A2F Mesh Steel Grating	500/1000	123mm	3kg	B/C	No
A2F.CSG	A2F Composite Slotted Grating	500/1000	123mm	1.9kg	A	Yes
A2F.COOG	A2F Composite Oval Grating	500/1000	123mm	2.6kg	C	No
A2F.CMG	A2F Composite Mesh Grating	500	123mm	3kg	B	No
A2F.DISG	A2F Ductile Iron Slotted Grating	500/1000	123mm	2.1kg	D	No
A2F.DILG	A2F Ductile Iron Longitudinal Grating	500/1000	123mm	2kg	D	No
A2F.DINSG	A2F Ductile Iron Narrow Slotted Grating	500/1000	123mm	4.5kg	C/D	Yes
A2F.DIOG	A2F Ductile Iron Oval Grating	500/1000	123mm	5kg	C/D/E	No

A2F – Offset Single Paveslot

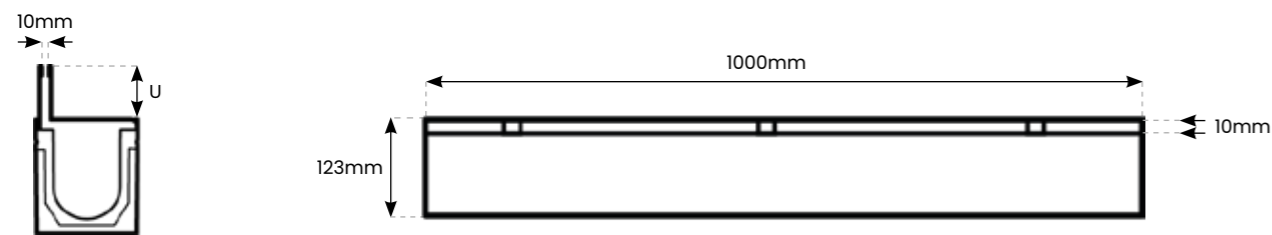
A2F Offset Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In
Galvanised and
Stainless Steel

Diagram – Offset Single Paveslot

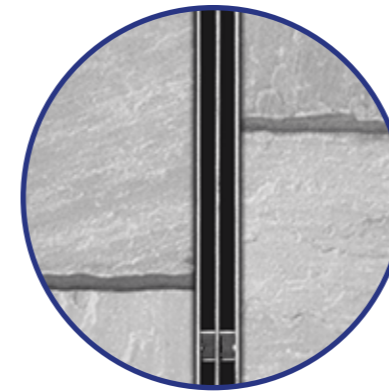


Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
OS.10060.P.G	Galvanised Offset Single Paveslot 60mm	500/1000	10mm	123mm	C/D	60mm
OS.10105.P.G	Galvanised Offset Single Paveslot 105mm	500/1000	10mm	123mm	C/D	105mm
OS.10150.P.G	Galvanised Offset Single Paveslot 150mm	500/1000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

A2F – Offset Twin Paveslot

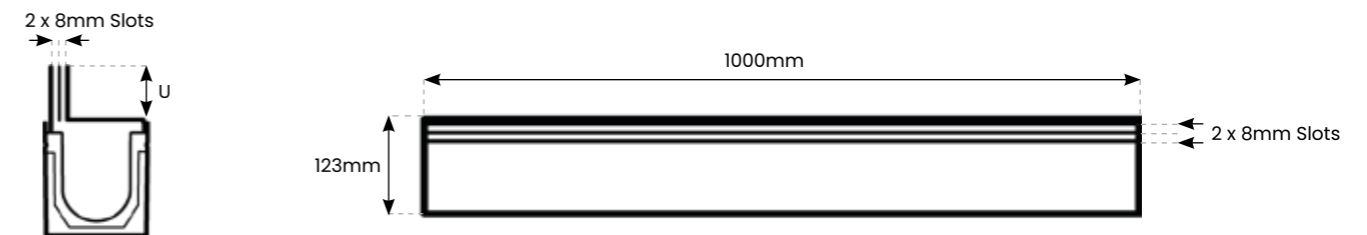
A2F Offset Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In
Galvanised and
Stainless Steel

Diagram – Offset Twin Paveslot

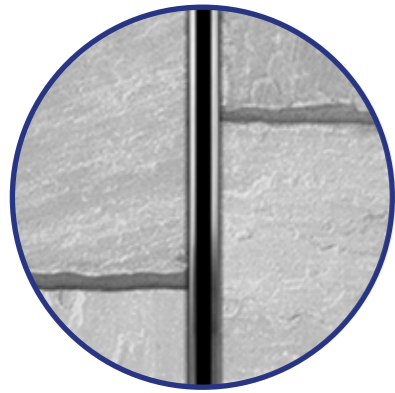


Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
OT.10060.P.G	Galvanised Offset Twin Paveslot 60mm	500/1000	2x8mm	123mm	C/D	60mm
OT.10105.P.G	Galvanised Offset Twin Paveslot 105mm	500/1000	2x8mm	123mm	C/D	105mm
OT.10150.P.G	Galvanised Offset Twin Paveslot 150mm	500/1000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

A2F - Centre Single Paveslot

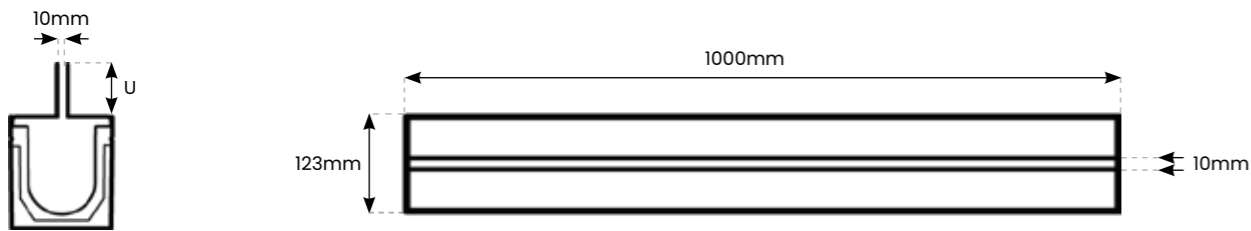
A2F Centre Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

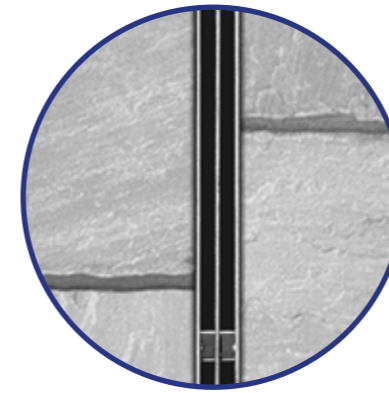
Diagram - Centre Single Paveslot



A2F - Centre Twin Paveslot

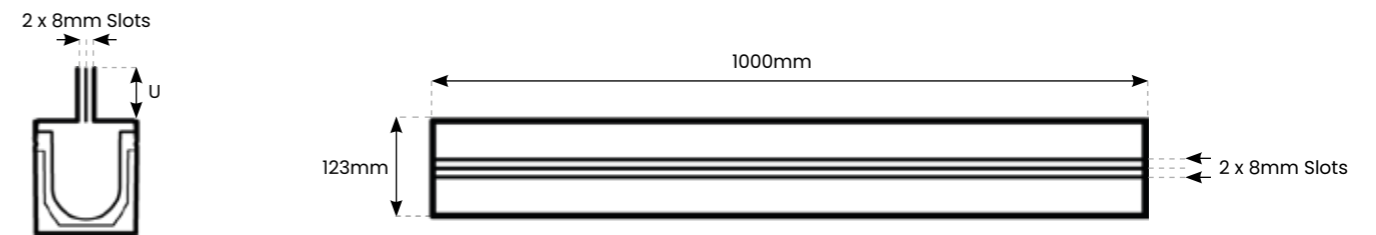
A2F Centre Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram - Centre Twin Paveslot



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

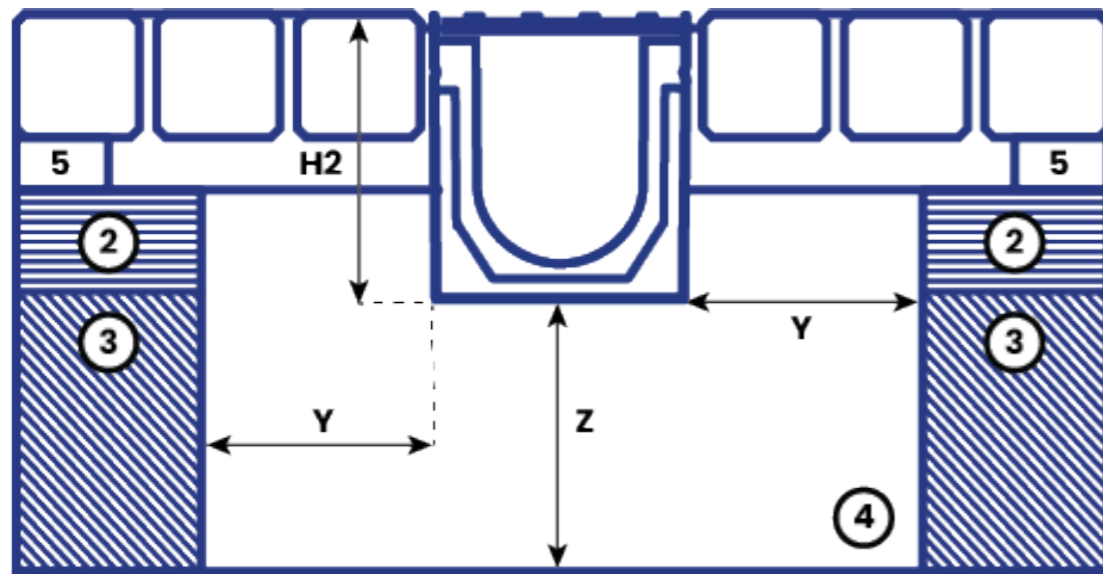
Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
CT.10060.P.G	Galvanised Centre Twin Paveslot 60mm	500/1000	2x8mm	123mm	C/D	60mm
CT.10105.P.G	Galvanised Centre Twin Paveslot 105mm	500/1000	2x8mm	123mm	C/D	105mm
CT.10150.P.G	Galvanised Centre Twin Paveslot 150mm	500/1000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

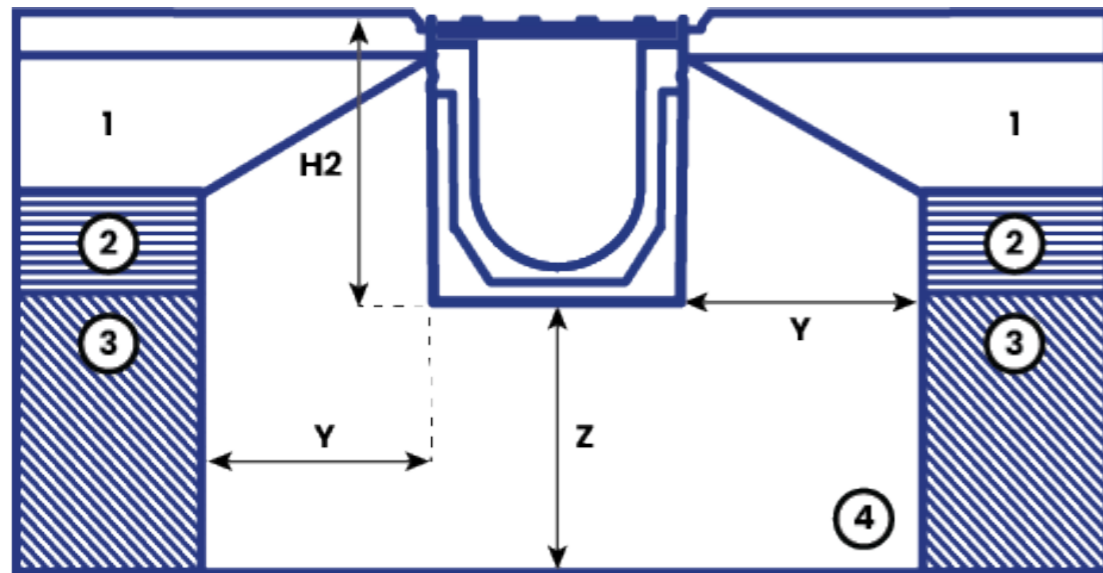
Ground conditions must be suitable and all dimensions shown are the minimum requirement. Engineering advice should be taken where necessary and any questions should be directed to Polycon's technical team by emailing us at sales@polycon.co.uk or by calling us on **0151 424 9747**.

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

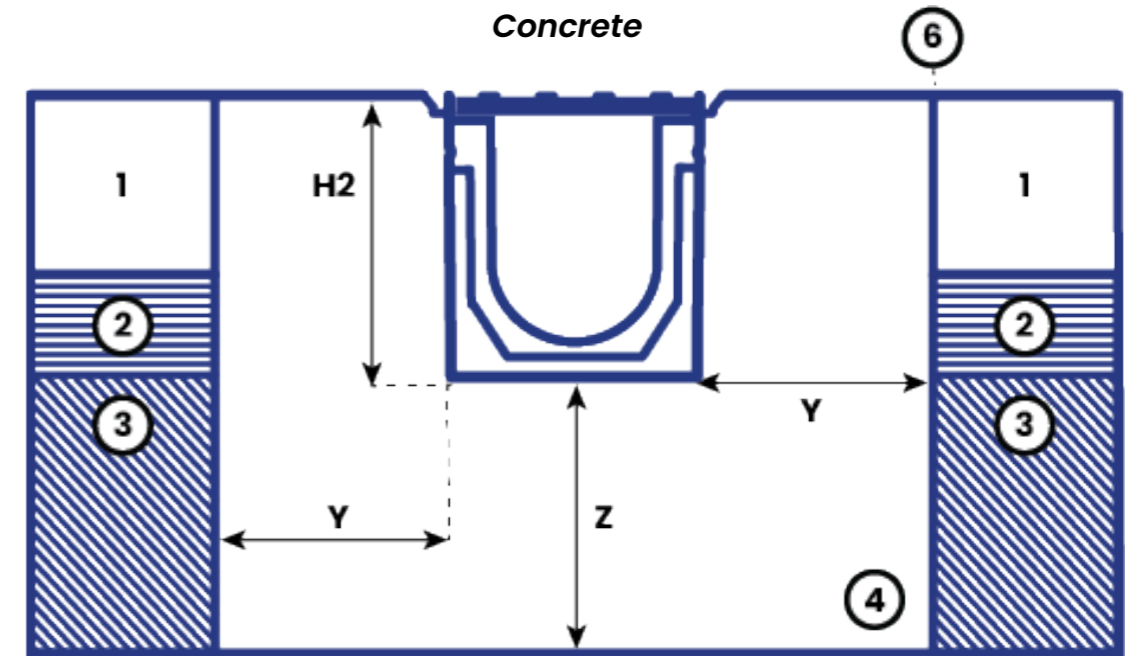
Block Paving



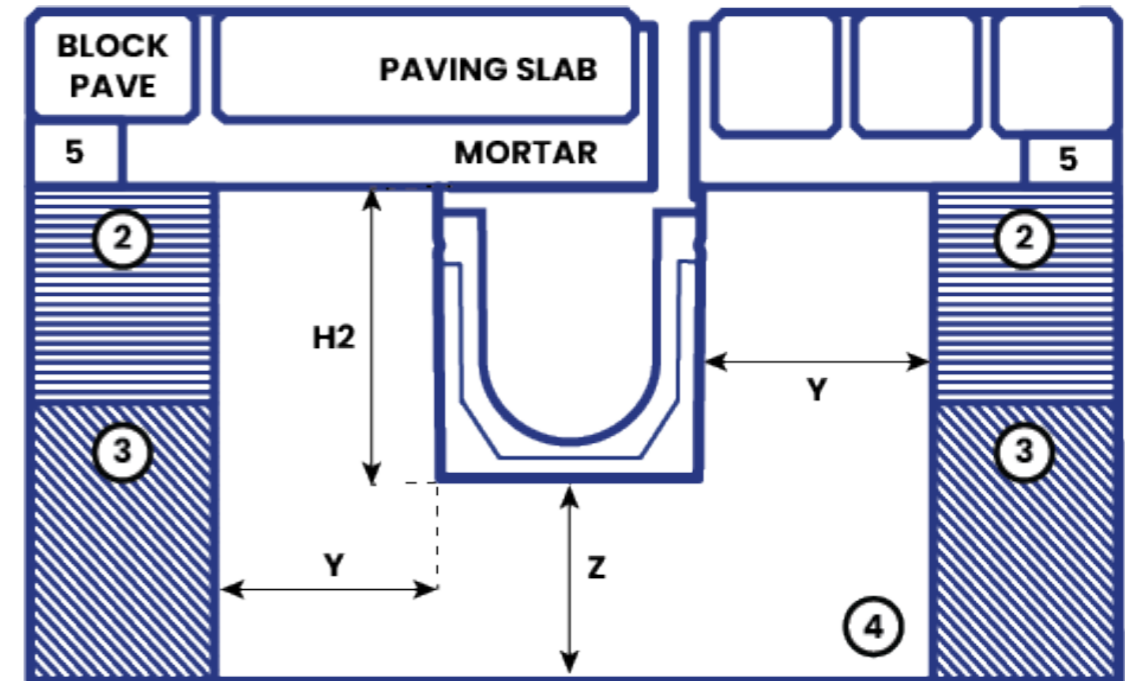
Tarmac



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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sales@polycon.co.uk**

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