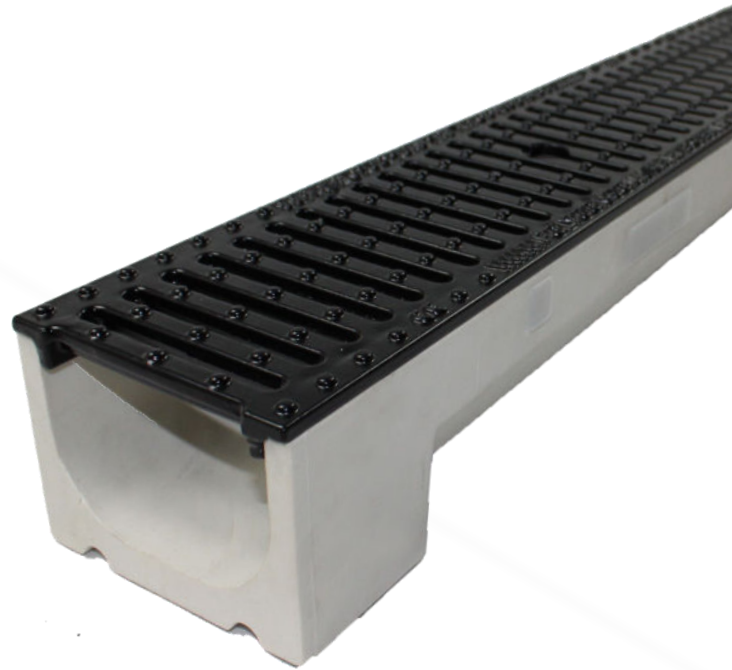


## ***Self 100 Pro Range***



## Self 100 Pro **Polymer**



### **What is Self Pro Polymer and where can it be used?**

The Self Pro polymer is a traditional drainage channel proven to be ideal for patios, gardens, driveways, and small car parks due to the channels B125 Loading.

### **What material is the Self 100 Pro Polymer manufactured from?**

The Self Pro Polymer is manufactured from polymer concrete, which is a robust material capable of withstanding the freezes and thaw cycle.

### **What gratings are available for the Self Pro Polymer?**

We have four different grating options available for the Self Pro Polymer channel. They are the Galvanised/ Stainless Steel Slotted 8mm/10mm. the Pavelsot, and a B125 Ductile Iron Slotted grating.

### **How do the gratings lock into the channel?**

The biggest advantage of using the Self 100 Pro Polymer is the gratings. The system can feature a snaplock grating or be locked with a bolt & bar for added security and stability.

## Self 100 Pro **SMC**



### **What is Self Pro SMC and where can it be used?**

The Self Pro SMC is a new and innovative material used in channel drainage. It is designed to be used for patios, gardens, driveways, and small car parks, due to the channels B125 loading.

### **What material is the Self 100 Pro SMC manufactured from?**

The Self Pro SMC is manufactured from sheet moulded composite. This creates a strong, lightweight, yet robust system that can withstand high strength.

### **What gratings are available for the Self Pro SMC?**

We have four different grating options available for the Self Pro SMC channel. They are the Galvanised/ Stainless Steel Slotted 8mm/10mm. the Pavelsot, and a B125 Ductile Iron Slotted grating.

### **How do the gratings lock into the channel?**

The biggest advantage of using the Self 100 Pro SMC is the gratings. The system can feature a snaplock grating, or be locked with a bolt & bar for added security and stability.

## **What is the difference between the Self 100 Pro Polymer and Self 100 Pro SMC?**

The biggest difference between the two Self Pro channels is the material that they are manufactured from. The Polymer concrete channel is a traditional material with tried and tested results. However, the Self 100 Pro SMC is a new innovative material which has yet to be used in channel drainage. Even though the material of these channels differ, both channels have the exact same gratings, depth, internal and overall width, plus accessories.

## **Why is the Self 100 Pro Range different from any other channel?**

The Self 100 Pro range is the only channel in the UK and Europe which has a safeheel grating that locks into the channel with a bolt & bar plus also has the option for a snaplock grating to sit on the top of the channel.

# Self 100 Pro / SMC

The Self 100 Pro SMC is a highly robust system that holds similar features to the Self Pro Polymer. The main difference is the mould material however, both systems provide a durable and reliable solution to all urban and domestic applications.

Load classes: A, B Overall width: 120mm



Polycon are currently the only stockists in the UK to offer a B125 Ductile Iron Slotted Safeheel Grating that locks into place with a bolt & bar.

## Benefits of a bolt & bar:

**Security**– Once installed, the bolt & bar secures the channel fully into place and it cannot be removed.

**Stability**– The bolt & bar locking system ensures no movement when in use and durability over time when crossed by pedestrains and cars.





**Noise prevention**– Whilst in use, the bolt & bar tightly bonds the channel and grating together and prevents any rattling which is perfect for urban areas.



The SMC also allows for a snaplock grating to sit on the top of it.

## Gratings

The Self Pro SMC channel is compatible with four different gratings. The table below discusses the benefits and features of each different grating and the range of materials available.

		Safeheel	Bolt & Bar locking	Snaplock	E- coated	Load Class
Galvanised or Stainless Steel 10mm grating				✓		A15
Galvanised or Stainless Steel Safeheel 6mm Grating		✓		✓		A15
Ductile Iron Safeheel 8mm Grating		✓	✓		✓	B125
Galvanised or Stainless Steel Pavelsot Grating		✓		✓		B125



# Self 100 Pro / Polymer

The Self 100 Pro Polymer is a strong, robust channel made from polymer concrete. This channel drainage system is designed to be used for urban or domestic applications.

**Load classes:** A, B    **Overall width:** 120mm

Polycon are currently the only stockists in the UK to offer a B125 Ductile Iron Slotted Safeheel grating that locks into place with a bolt & bar.

## Benefits of a bolt & bar:

**Security**– Once installed, the bolt & bar secures the channel fully into place and it cannot be removed.

**Stability**– The bolt & bar locking system ensures no movement when in use and durability over time when crossed by pedestrians and cars.





**Noise prevention**– Whilst in use, the bolt & bar tightly bonds the channel and grating together and prevents any rattling which is perfect for urban areas.



The **Polymer** also allows for a snaplock grating to sit on the top of it.

## Gratings

The Self Pro **Polymer** is compatible with four different gratings. The table below discusses the benefits and features of each different grating and the range of materials available.

		Safeheel	Bolt & Bar locking	Snaplock	E- coated	Load Class
Galvanised or Stainless Steel 10mm grating				✓		A15
Galvanised or Stainless Steel Safeheel 6mm Grating		✓		✓		A15
Ductile Iron Safeheel 8mm Grating		✓	✓		✓	B125
Galvanised or Stainless Steel Paveslot Grating		✓		✓		B125

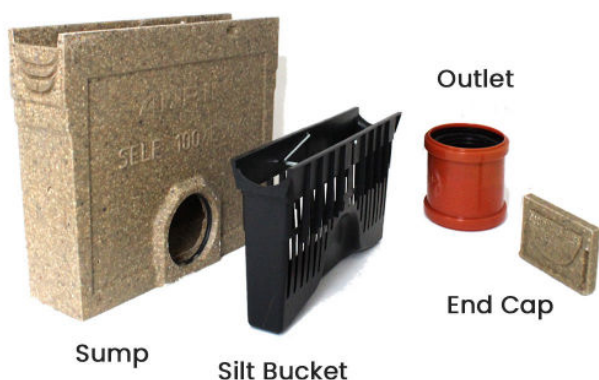
## Self 100 Pro / Accessories

Both the **Self 100 Pro Polymer** and the **Self 100 Pro SMC** channels come with a range of accessories. Both of these systems are compatible with the Self 100 Pro accessories.

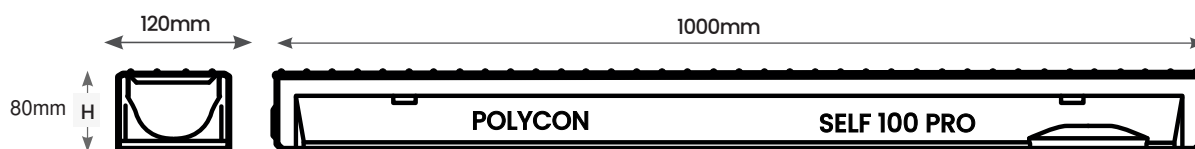
This includes the Sump Unit, End Cap, as well as the Silt Bucket and Outlet.

**Sump Unit-** The Sump is used as a filter to help collect silt and promote the flow of water.

**End Cap/ Outlet-** The End Cap is used at the end of the channels run to stop the flow of water. The Outlet is used to connect the channels to other drainage pipes.



## Self 100 Pro / Diagrams & Dimensions



Ref	Description	Height (H)	Invert Height	Overall Width	Weight (kg)	Load Class	Vertical / Horizontal Outlet
SELF.PRO.100.80.C	Self 100 Pro Channel	80mm	65mm	120mm	5.5	A,B	110mm
SELF.PRO.100.S	Self 100 Pro Sump Unit	400mm	380mm	120mm	14.8	A,B	110mm
SELF.PRO.100.EC	Self 100 Pro End Cap	80mm	n/a	120mm	0.4	A,B	n/a
SELF.PRO.100.O	Self 100 Pro Outlet	80mm	n/a	120mm	0.8	A,B	110mm



**Polycon Surface Water Drainage**

Widnes Business Park, Foundry Lane, Widnes, WA8 8UB,  
England

**Email:** [info@polycon.co.uk](mailto:info@polycon.co.uk)

**Tel:** 0151 422 9747

Visit our website for our full range of products at  
[www.polycon.co.uk](http://www.polycon.co.uk)