

ACO BuildLine

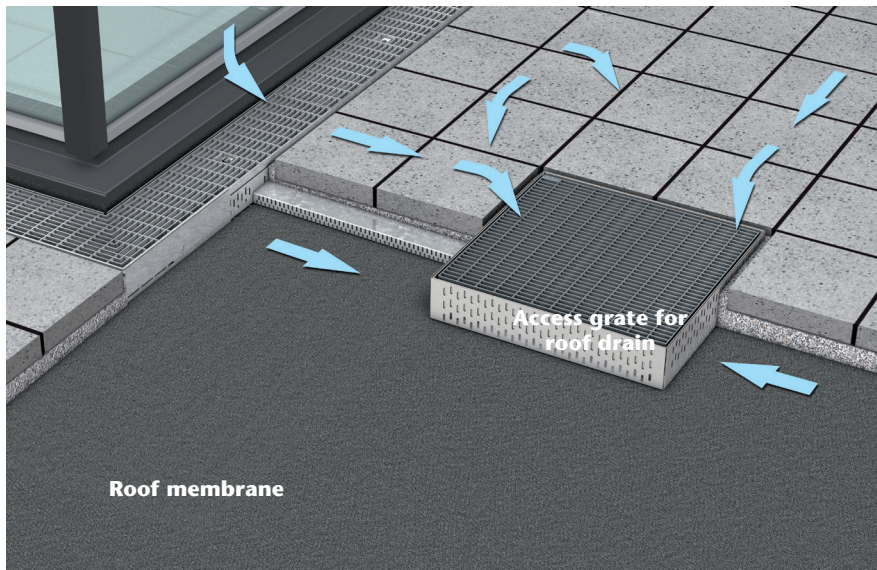
ProfiLine

*Linear drainage for
suspended slabs*

Typical Applications

- *Flat roofs*
- *Green roofs*
- *Terraces*
- *Vertical facades*
- *Balconies*

ProfiLine concept

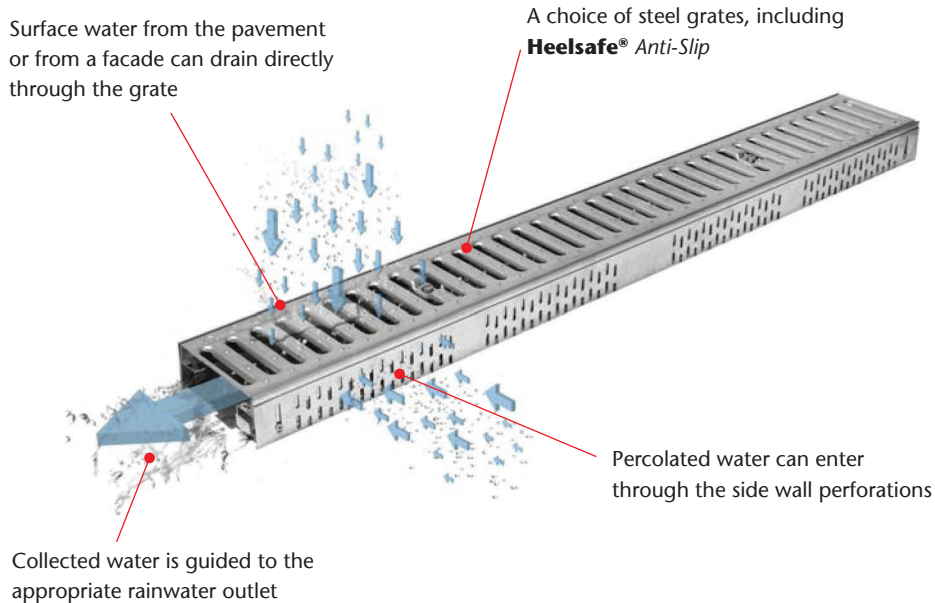


The ProfiLine system is designed to be positioned above the roof or balcony membrane. It drains water directly from the pavement surface or down a facade via the grate.

Perforations in the side walls of the channel allow water that has percolated through the pavement or green roof materials, to drain. It then guides this water to the roof or balcony drain.

If the roof or balcony drain cannot be ideally situated, drainage ducts can be used to discretely direct the water to the required location.

The access grate can be used over the rainwater outlet to provide access for maintenance.

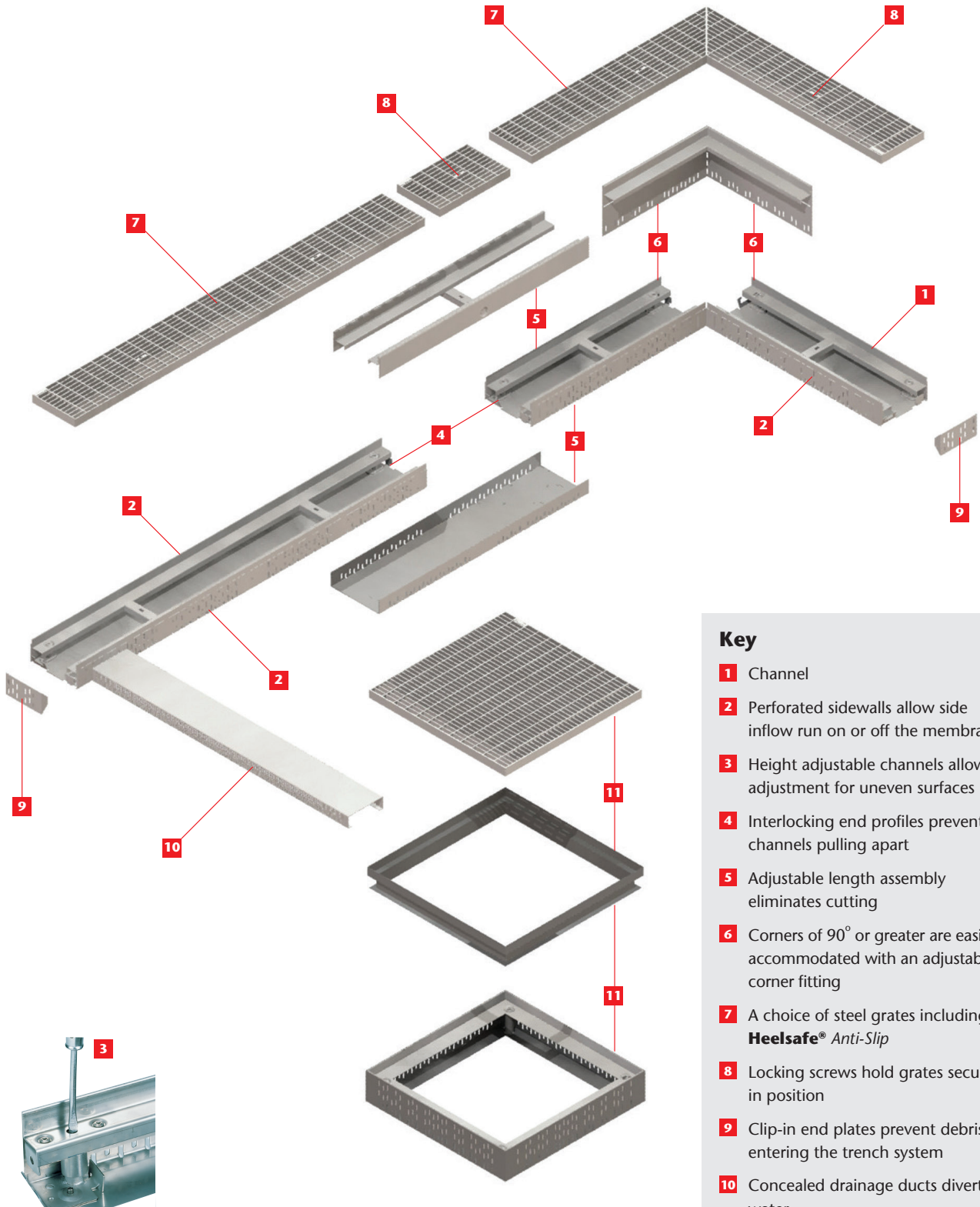


Green Roofs

During heavy rain when the landscaping is saturated, excess water will percolate into the trench drain and drain to the rainwater outlet. During light rain, the water run-off from the surface or facade will percolate out of the channel side walls and help irrigate the landscaping.



ProfiLine system



Key

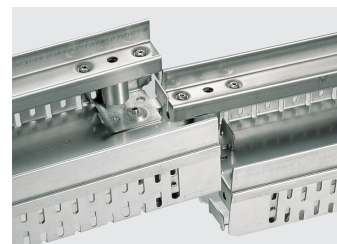
- 1** Channel
- 2** Perforated sidewalls allow side inflow run on or off the membrane
- 3** Height adjustable channels allow adjustment for uneven surfaces
- 4** Interlocking end profiles prevent channels pulling apart
- 5** Adjustable length assembly eliminates cutting
- 6** Corners of 90° or greater are easily accommodated with an adjustable corner fitting
- 7** A choice of steel grates including **Heelsafe® Anti-Slip**
- 8** Locking screws hold grates securely in position
- 9** Clip-in end plates prevent debris entering the trench system
- 10** Concealed drainage ducts divert water to outlet positions
- 11** Rainwater outlets are easily accessed through access grates and frames

Product Table

	Part No.		Length	Width	Height	Wgt
	Galv.	S/S	mm	mm	mm	kg
Channels						
Shallow section	36940	36942	500	130	55 – 77	3.1
Shallow section	36941	36943	1000	130	55 – 77	4.9
Intermediate section	36789	36837	500	130	75 – 105	3.3
Intermediate section	36788	36836	1000	130	75 – 105	5.4
Deep section	36807	36855	500	130	105 – 165	3.8
Deep section	36806	36854	1000	130	105 – 165	6.4
Adjustable length channel						
Shallow section	36948	36949	600	140	55 – 77	2.1
Intermediate section	36790	36838	600	140	75 – 105	2.2
Deep section	36808	36856	600	140	105 – 165	2.9
Adjustable corner						
Adjustable corner	38634	38643	300	300	–	1.5
Grates						
Slotted grate ¹	00277	00273	500	123	20	1.0
Slotted grate ¹	00276	00272	1000	123	20	2.2
Mesh grate ²	36952	36954	500	123	20	1.6
Mesh grate ²	36953	36955	1000	123	20	3.0
5 Star Heelsafe® Anti-Slip grate ³	–	141852	500	123	20	1.6
5 Star Heelsafe® Anti-Slip grate ³	–	141853	1000	123	20	3.2
End plates						
Shallow section	36950	36951	n/a	130	55 – 77	0.1
Intermediate section	36793	36841	n/a	130	75 – 105	0.1
Deep section	36811	36859	n/a	130	105 – 165	0.2
Drainage duct						
Drainage duct	00328	00307	2000	100	30	2.4
Access Units						
Access mesh grate ²	36754	36760	390	390	20	3.5
5 Star Heelsafe® Anti-Slip grate ³	–	141851	390	390	20	3.1
Access frame	38801	38803	400	400	75 – 105	3.1
Access frame extension	38685	38686	395	395	50	1.3
Access frame extension	38687	38688	395	395	75	1.9

Notes:

1. Class A grate - slot openings = 10mm x 80mm
2. Class A grate - mesh openings = 14mm x 30mm
3. Class B grate - longitudinal slot openings = 6mm x 39mm



Channels simply 'drop and lock' together with hooks and lugs on channel ends.



Once 'locked' together, channels can only be separated by lifting vertically upwards.



Height adjustments must be made before grates are installed. Channels have screw jacks on all 4 corners and are adjusted using a flat blade screwdriver. Each corner can be set independently to allow for both cross and longitudinal pitch if required.

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