

GREENLINE

FOR THE BORDERING OF GREEN



Making the public space greener with Greenline.

The Greenline series is a new range of slim concrete elements which can serve as a planter unit, park or seating units. By virtue of the slender shape, comforting appearance and generous variety of shapes, Greenline has a broad scope of applications, as well as being multifunctional.

The slim concrete elements can be installed in an inward or outward oblique orientation and are available in two heights above ground level: 30 and 45 cm. In addition, seating kerbs are available with seats in either laminated bamboo or FSC® hardwood. The concrete units can be connected to form green strips or green islands, providing seating facilities for the layout of quays, school playgrounds and city parks; their dimensions and detailing are mutually aligned. Thanks to their 15 cm width and austere yet sophisticated design, the straight lines of planter kerbs are accentuated and tightly framed. If, on the other hand, you would prefer to add fluid lines

and dynamics to your design, you will be glad to hear that curved units are available in a variety of radii.

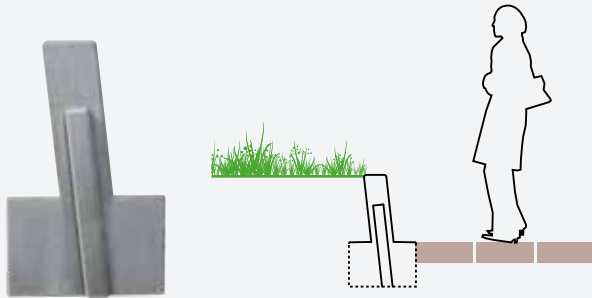
A wide range of applications

Allow yourself to be inspired. Any combination of kerbing and seating elements is available to you. Experiment with low and high elements to achieve variation; height differences between planter kerbs will provide more varied scenery for passers-by. The elements come in a standard length of 2m and a width of 15cm. Their profile is slender and light, with a concrete base for a firm foundation.



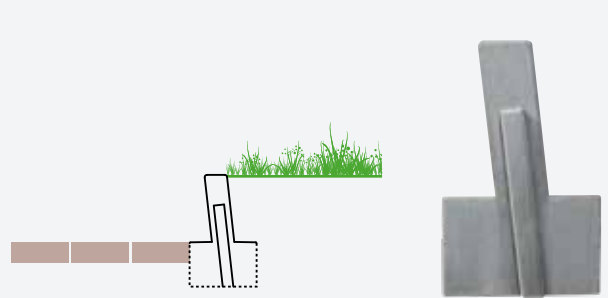
Inward oriented profile

Suggests an embracing movement
(echoes the shape of a tree trunk)



Outward oriented profile

Invites passers-by to take a seat
(reminiscent of a bowl form)



Making the public space greener

In the context of adapting to climate change, we naturally want to make the public space greener. Green zones help with cooling and can also serve as a water buffer to collect rainwater or combat desiccation. The Greenline range is, in particular, suitable for surrounding green zones and planter kerbs in urban areas, and will protect them from intensive city traffic.

A fluent connection with ground level

The Greenline has a visible footing to achieve a transition from the vertical plane to the horizontal

surface at ground level. This footing also makes it possible to connect the paving tightly to the elements, and because the footing has a slight gradient it will not collect water.

Slender and solid

The elements comply with general requirements in terms of resistance against vandalism and frost and minimising maintenance, as well as increasing the visibility of pollution and vandalism.





The Greenline seating elements are available with either hardwood or bamboo seats.

Bamboo

Bamboo grows to maturity in 4 to 6 years, as opposed to hardwood, which needs 60 to 120 years to mature. It absorbs nearly 5 times as much CO₂ and its physical properties are at least as good as those of the very best hardwood. The major properties of laminated bamboo are:

- Durability class I
- Impervious to wood rot (10 years warranty)
- Hardness: 4.0 kg/mm²
- Density 700 kg/m³

Laminated bamboo is composed of bamboo strips. These long, rectangular strips are glued together, either vertically or flat, to form a plank or beam.

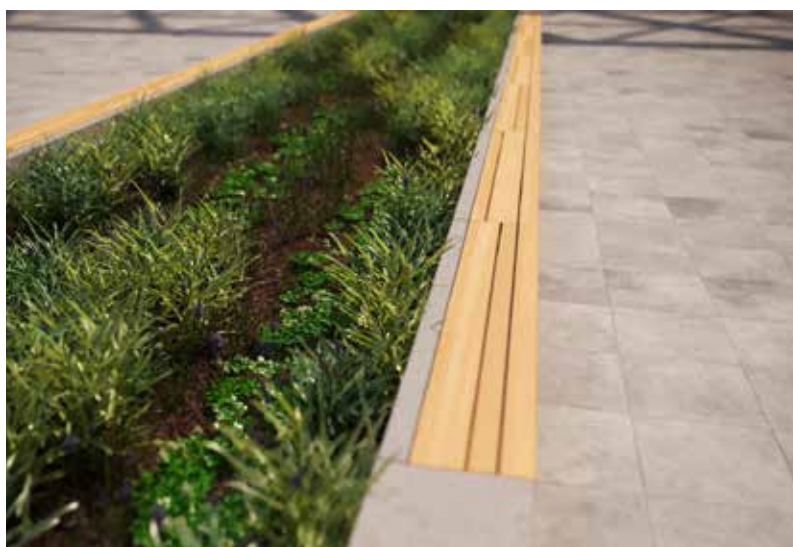
If required, laminated bamboo can also be supplied under the FSC® hallmark.

Maintenance of laminated bamboo

Just like wood, bamboo will become grey naturally. To maintain the attractive warm colour and appearance of bamboo, we recommend that it be oiled at least once a year – particularly the horizontal areas. This will slow down the natural process of wear, and deposits of contaminants and algae on the surface are also likely to accumulate more slowly.

FSC®-certified hardwood

Struyk Verwo Infra has made the deliberate choice to use only 100% FSC® wood in combination with its concrete street furniture. Our production location is FSC®-certified to this effect.



Staggered lines

By alternating planks in pairs, a staggered pattern will be achieved if a number of seats are aligned behind one another in a straight line. This also lends the configuration a more playful character.



Concave/convex connection

All the elements are joined to each other by means of a concave/convex connection, which ensures perfect alignment. This connection also ensures that from the moment they are positioned the desired line is established, and remains straight.

Dirt-repellent coating

The hardwood elements are treated with a transparent water-based coating as standard. This provides excellent protection against the penetration of water, oil and grease. In addition, the coating inhibits the growth of algae and moss.

Dismountable

All hardwood and bamboo seats are fitted with stainless steel strips on the lower side, preventing direct contact between the wood or bamboo and the concrete. The dismountable seats are fixed using anti-theft stainless steel screws.

ZVB Finish

The ZVB concrete finish has an elegant, smooth concrete appearance, whether grey or coloured.

The Greenline has been designed in collaboration with:

blom&moors
ontwerp openbare ruimte - design for public space

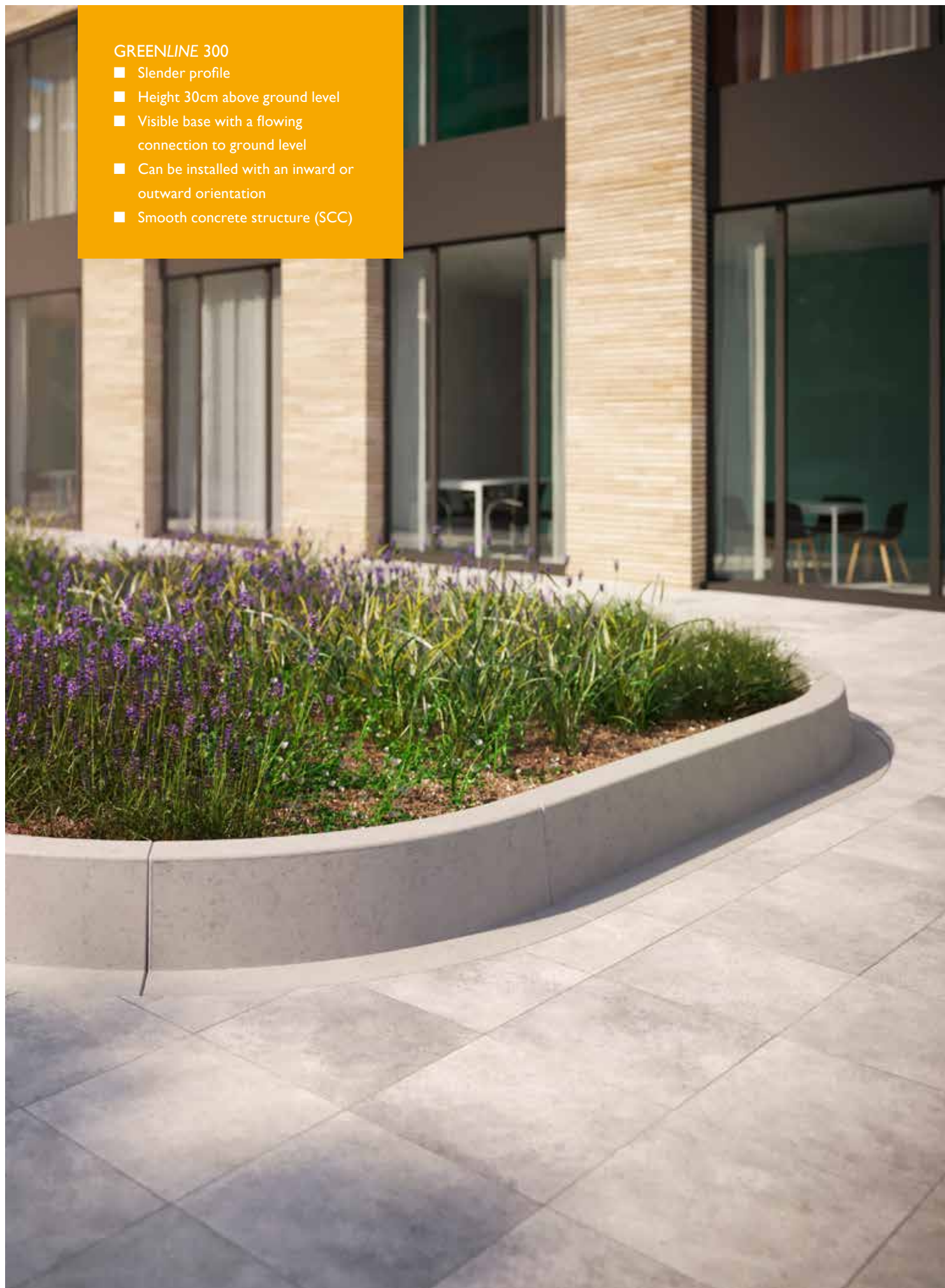
Lighted options

The seating elements can be seamlessly fitted with attractive LED lighting on the lower edge. There is also the option to equip the concrete element with a protective anti-skating facility.



GREENLINE 300

- Slender profile
- Height 30cm above ground level
- Visible base with a flowing connection to ground level
- Can be installed with an inward or outward orientation
- Smooth concrete structure (SCC)



Model 300

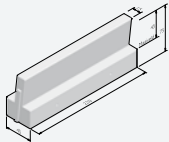
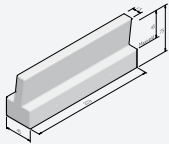
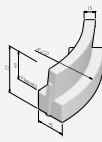
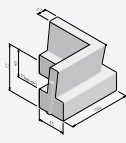
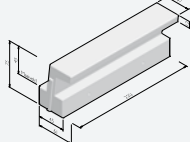
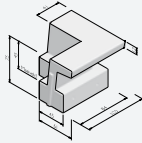
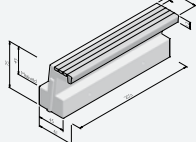
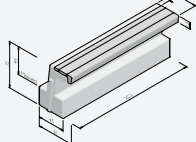
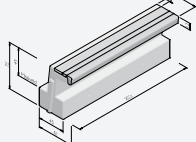
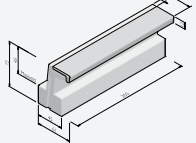
MODEL		DESCRIPTION
	GRL-300 Intermediate	Greenline unit 15/45 x 60 x 200 cm, central
	GRL-300 End	Greenline Greenline end unit 15/45 x 60 x 200 cm, end left/right
	GRL- 300 Radius	Greenline Radius 15/45 x 60 x 157 cm, R=2 mtr
	GRL- 300 Corner piece	Greenline corner piece 15/45 x 60 x 100 cm, 90° external

GREENLINE 450

- Slender profile
- Height 45 cm above ground level
- Choice of seating material (concrete/wood/bamboo)
- Visible base with a flowing connection to ground level
- Can be installed with an inward or outward orientation (exclusive of seating elements)
- Smooth concrete structure (SCC)
- Lighting option



Model 450

MODEL		DESCRIPTION
	GRL-450 Intermediate	Greenline unit 15/45 x 75 x 200 cm, central
	GRL-450 End	Greenline end unit 15/45 x 75 x 200 cm, end left/right
	GRL-450 Radius	Greenline bend 15/45 x 75 x 189 R=1.2 mtr 15/45 x 75 x 157 R=2 or 3 mtr 15/45 x 75 x 177 R=4.5 mtr
	GRL-450 Corner piece	Greenline corner piece 15/45 x 75 x 100 cm 900 external
	GRS-450 Seat A	Greenline seating type A4, 1/61 x 75 x 200 cm, central
	GRH-450 Seating corner A	Greenline seating corner type A4, 1/61 x 75 x 100 cm, external
	GRS-450 Seat A1	Greenline seating kerb type A1, 41/61 x 75 x 200 cm, central, four bamboo laths
		Greenline seating unit type A1, 41/61 x 75 x 200 cm, central, four FSC 100% hardwood laths
	GRS-450 Seat A2	Greenline seating unit type A2, 41/61 x 75 x 200 cm, central, three 7-14-9 bamboo laths
		Greenline seating unit type A2, 41/61 x 75 x 200 cm, central, three 7-14-9 FSC 100% hardwood laths
	GRS-450 Seat A3	Greenline seating unit type A3, 41/61 x 75 x 200 cm, central, three 14-7-9 bamboo laths
		Greenline seating unit type A3, 41/61 x 75 x 200 cm, central, three 14-7-9 FSC 100% hardwood laths
	GRS-450 Seat A4	Greenline seating unit type A4, 41/61 x 75 x 200 cm, central, one bamboo plank



Timber Laths

An altogether different appearance is achieved by adding the lath-type seating to the concrete design; warm and rigid at the same time.



Plateau

This plateau version combines warmth and rigidity in a single design. An eye-catching element in your public space.

ZVB Concrete

Modern. Timeless. This elegant version in pure, smooth concrete is keeping with the Greenline as a whole.



Planks

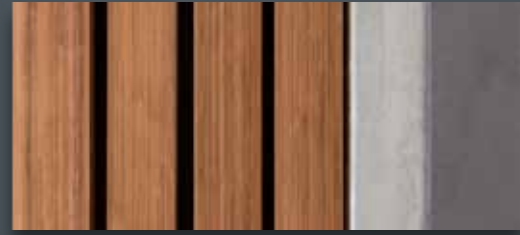
What can be achieved with laths can also be achieved with planks. They can be configured in a staggered line by using various widths.



Versions



Hardwood model A1*



Bamboo model A1*



Bamboo model A2*



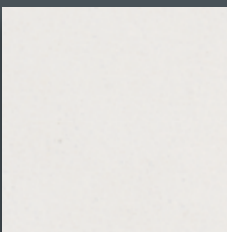
Bamboo model A3*



Bamboo model A4

* The models A1/A2/A3 are available in both bamboo and hardwood.

Colours of self-compacting concrete (ZVB)



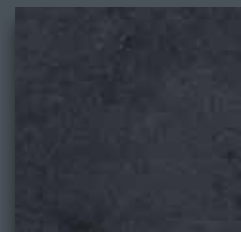
White



Light grey



Dark grey



Black

Hardscape

Hardscape can help to re-define the public realm when it comes to the layout of public spaces. Our product range includes pavement materials and solutions designed and developed from an aesthetically, economically and socially responsible perspective.

Street  Art

inspiring street images with concrete

Street  Works

economics in fixing, use and maintenance

Street  Safe

safe traffic situations

Street  Care

sustainable living environment



MIX
Van verantwoorde
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HARDSCAPE
Inspire : Select : Supply

