

Kassel Kerb®

= the solution for bus and tram stops without barriers!



PROFILBETON



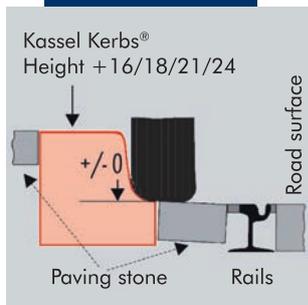
When building bus and tram stops without barriers, the Kassel Kerb® constitutes an important part of the barrier-free chain of mobility at the interface between a bus and tram stop and the vehicle.

- | | | | | |
|--|---|--|---|---|
| Simple | — | safe | — | barrier-free |
| <input checked="" type="checkbox"/> installation | | <input checked="" type="checkbox"/> access | | <input checked="" type="checkbox"/> for everybody |

Kassel Kerb®: innovative – barrier-free

The Kassel Kerb® constitutes an acknowledged, important part of the chain of mobility when designing bus and tram stops without barriers in connection with low-floor vehicles. The unique kerbstone system for bus and tram stops, Kassel Kerb®, has been certified as BARRIER-FREE by DIN CERTCO. Bus and tram stops, which have been equipped with Kassel Kerb®, ensure user-friendly and barrier-free public transport – and not just for people with reduced mobility.

Based on long-term experience in numerous countries, the Profilbeton team is looking forward to being your competent, proven and reliable partner, from the pre-planning stage to the completion of bus and tram stops without barriers. In this framework the Kassel Kerb® constitutes an essential element when equipping bus and tram stops without barriers.



Kassel Kerb®:

Unrestricted mobility due to the ideal building block

The requirement „Accessibility for All“ has to be an integral part of the planning process from the start, according to modern standards of the conception of public transport systems and the corresponding infrastructure. This will ensure the accessibility and enhanced use of public transport. This claim for bus and tram stops without barriers in public transport systems is based on the Behindertengleichstellungsgesetz and has been incorporated in different sets of regulations [DIN 18 030 (2/2) and DIN 32 984 (2/4)].

The Kassel Kerb® is manufactured with a high level of quality and functionality. It is made of high-quality, white concrete and its product performance fulfils the requirements of DIN EN 1340 in connection with the new version of DIN 483 to its full extent. The kerbstone is available in different heights and with various transition options, which are coordinated with the conditions on site. On demand, kerbstones dyed to individual specifications can be manufactured. The use of different materials, e.g. granite, is also possible.

By using Kassel Kerbs® you will be the owner of a low-maintenance and durable bus and tram stop kerb. The design of the Kassel Kerb® prevents displacement, so that an accelerating bus cannot move the kerbstone from its position, as the full weight of the vehicle keeps it there.

Furthermore, the smooth surface of the Kassel Kerb® provides an optimum guiding effect, with tyre abrasion kept to a minimum. The resultant minimum step and gap between the bus or tram entrance and exit doorways and the platform significantly reduces the time taken by boarding and alighting passengers at stops.

Accessibility for ALL!

Accessibility means the equal, independent and safe use of public transport systems by everyone, irrespective of age or mobility impairment.

The Kassel Kerb® was tested according to DIN 18024-1, 1998-01 dealing with the barrier-free design of bus and tram stops and was the only European kerbstone system to be certified by DIN CERTCO, Reg.-Nr. P1B031/03 „BARRIEREFREI DIN geprüft“.

The test by DIN CERTCO put special emphasis on the needs of people in wheelchairs, or with restricted walking ability, those with other types of mobility restrictions, older people, children and those of short or tall stature, blind and visually impaired people.

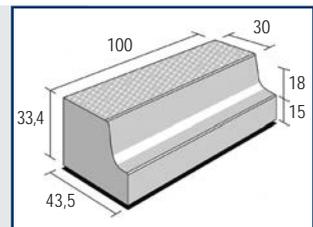
Product range (Excerpt)

The kerbstones at a height of 18 cm are shown. Other system and accessory stones are available.

Basic types

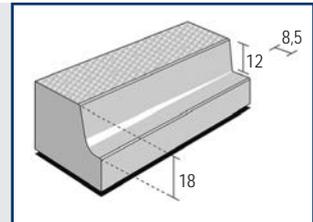
Kerb heights: 16 cm / 18 cm / 21 cm / 24 cm
Standard length: 100 cm (nominal size incl. joint)

Other dimensions are possible!



Transitions

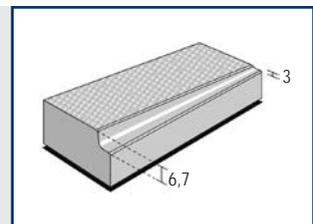
Miscellaneous designs and heights are available!
E.g. to cross-section HB, to connecting height 14 cm or without gradient.



Ramp set (Fig. lowest ramp stone)

Connecting height: 3 cm (also available in 1 cm)

Gradient: max. 6 % for a ramp length of 300 cm
7,5 % for a ramp length of 200 cm

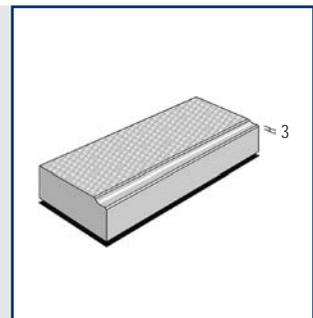


Flat type

The flat type is especially suitable for lowered kerbs in the range of crossings and driveways.

Connecting height: 3 cm (also available in 1 cm)

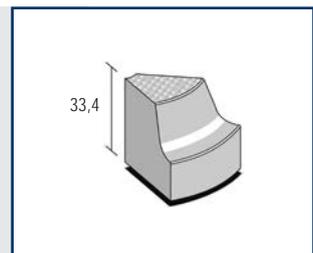
In the range of crossings a special crossing kerbstone is available.



Curve stones

Curve stones as inside bends (concave) and outside bends (convex) are available in different radii and angles.

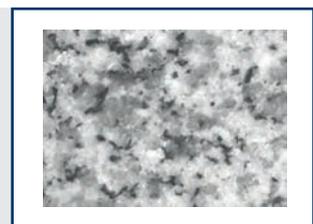
Standard radii: 50 cm, 100 cm, 200 cm, 1.000 cm (only convex)
Greater radii are available as traverse.



Granite kerbstones

For the execution in granite, the stepping surface has been scorched non-skid and the self-guiding surface has been honed.

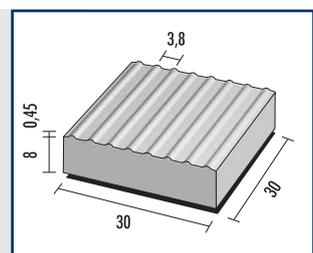
Different granites are available.



Guiding system for the blind

Grooved plates made from fibre concrete: grooved fibre concrete plate in white or anthracite.

Alert markings are available as serrated plates.



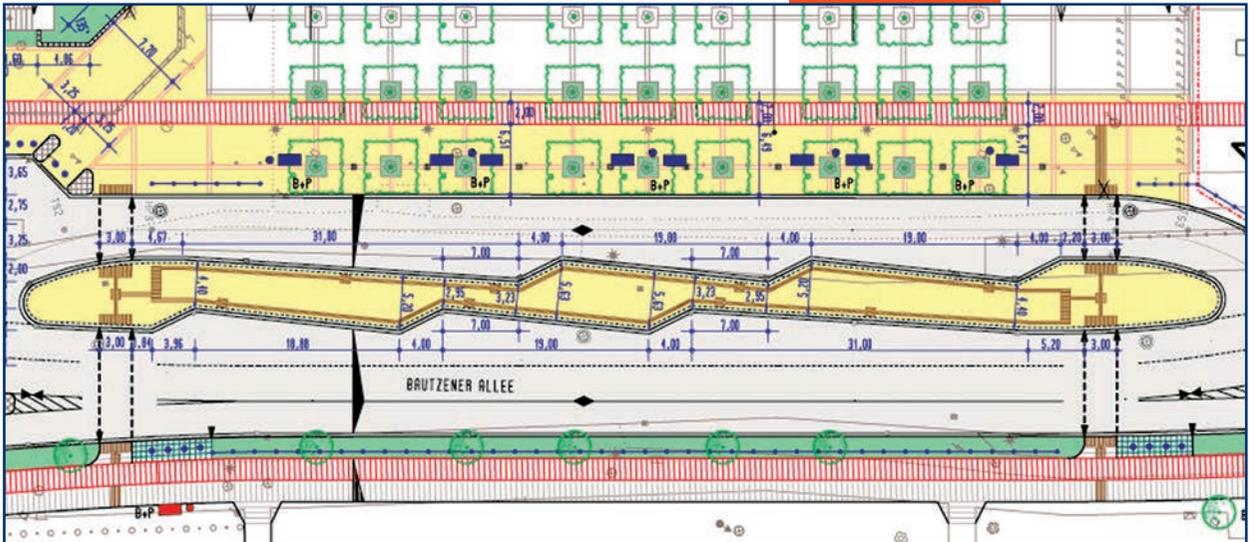
Service ...

... has always been a priority with **PROFILBETON**

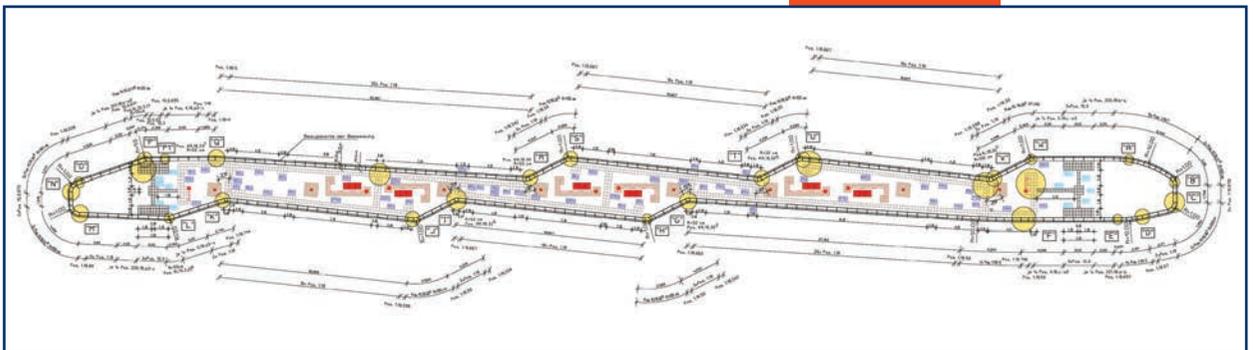
Even in cases of complex planning and unusual design, Profilbeton implements your ideas. As early as the planning stage we supply you with object-related documents (also digital ones). On the basis of your design, we create the installation plan for the Kassel Kerbs®. Even proprietary solutions, such as installation if there is only limited space or difficult drainage ducts, can be realised using Kassel Kerb®.

We would be happy to assist you; our lengthy experience is to your advantage.

Your specification: e.g. Project Hoyerswerda



Our service: execution plans

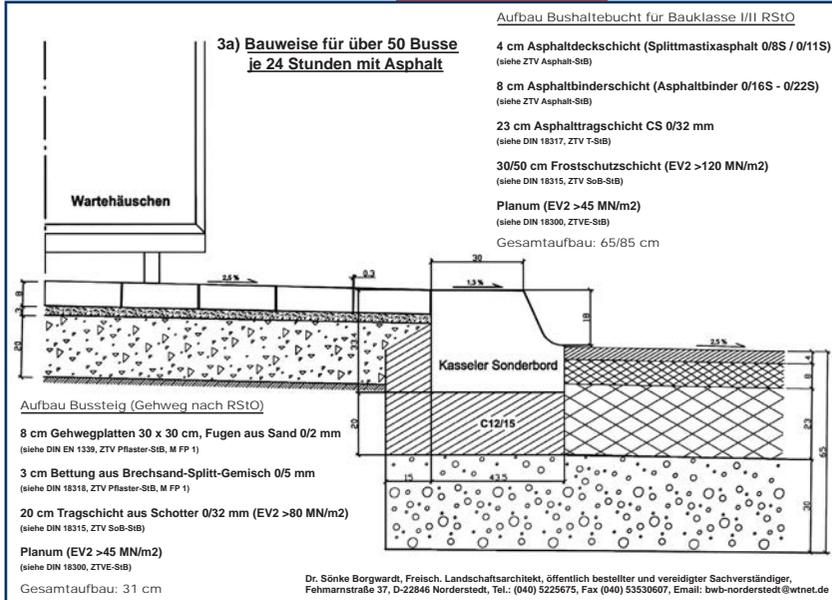


The completed bus and tram stop



Kassel Kerb®:

Installation – as economical as the DIN – kerbstone



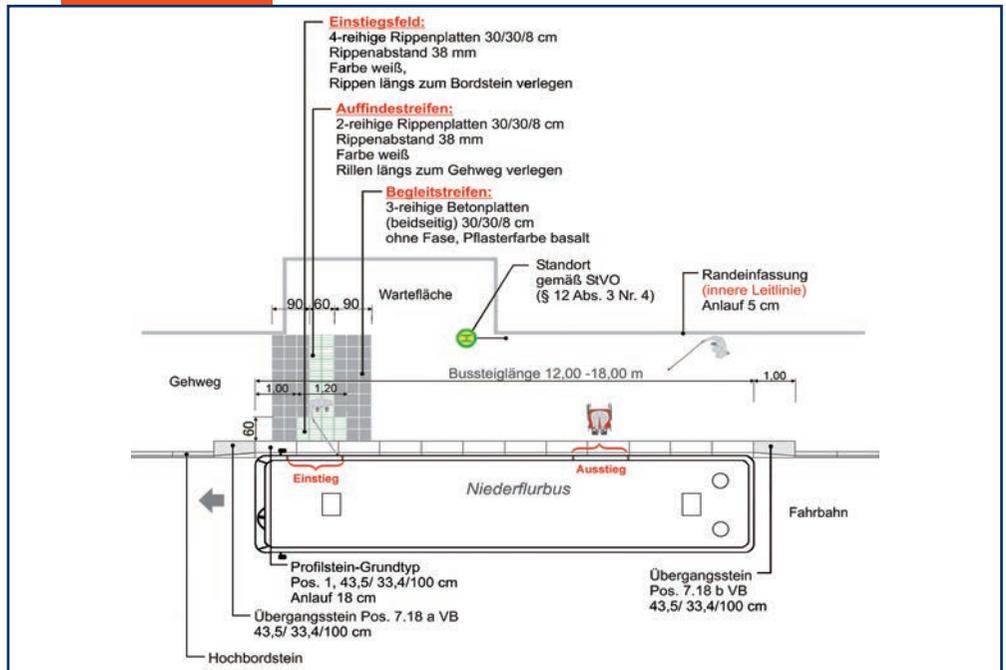
Excerpt installation notes

... For the installation of kerbstones in circulation areas DIN 18318 applies.

Accordingly kerbstones have to be mounted on a foundation with a height of at least 20 cm with a backing of concrete C12/15, flush in height and alignment. The kerbstones have to be laid with butt joints of a width of at least 5 mm ...

Installation conforming to standards

Thanks to the detailed installation instructions by Profilbeton an installation conforming to all relevant standards is no problem.



Installation

- 1 Preparation of the base according to installation instructions
- 2 Flush laying of the Kassel Kerb®
- 3 Laying according to installation instructions/ installation plan
- 4 Finished bus and tram stop system

In this context we would like to point out that the laying is easily and economically possible, using existing lifting devices such as kerbstone grippers or a vacuum-lifter.

Kassel Kerb®:

Stops with the ideal kerb exist all over Europe

Aberdeen Almelo Almere
Altstätten Amsterdam Angers
Annecy Antwerpen Arnstadt
Aschaffenburg Aschersleben
Aue Auerbach Augsburg Bad
Berka Bad Harzburg Bad Hers-
feld Bad Kissingen-Garitz
Bad Kreuznach Bad Langen-
salza Bad Saarow Bad Vilbel
Bad Wildungen Baden-Baden
Bargteheide Bautzen Bayreuth
Bedford Berlin Besançon
Bingen

Fulda Fürstfeldbruck Gent
Gera Gießen Glasgow Görlitz
Goslar Gotha Göttingen Graz
Greiz Grenoble Großburgwedel
Groß-Gerau Gunzenhausen
Güstrow Hagenow Homberg
Halle Hamburg Hameln Hanau
Hannover Heerbrugg Heerlen
Heidenheim Heilbad Heiligenstadt
Heilbronn Hengelo Henningsdorf
Henstedt Ulzburg Heppenheim
Herzogenaurach Hildesheim

Neustadt Neustrelitz Neu-Ulm
Nice Norderstedt Nordhausen
Nürnberg Oberried Obersdorf
Offenbach Oranienburg Orleans
Ostende Ostrava Paderborn
Pordenone Pforzheim Pirna
Plauen Poissy Potsdam Prenzlau
Radeberg Ravensburg Regensburg
Reims Remscheid Reutlingen
Ribnitz-Damgarten Rottweil
Rudolstadt Rüsselsheim Saalfeld
Saarlouis Salzgitter Sangershau-
sen Schleswig Schrobenhausen
Schwabach Schweinfurt
Schwerin Schweit-



Birmingham Bonn Borken
Bramsche Brandenburg Braun-
schweig Breda Bremen Brest
Brighton Brno Brüssel Buchholz
Burg Cardiff Celle Chemnitz
Cottbus Coventry Crimmitschau
Darmstadt Delmenhorst Des-
sau Detmold Dijon Dillingen
Dillingen-Diefflen Dingelstädt
Donaueschingen Dresden Düs-
seldorf Eberswalde Edinburgh
Eisenach Eisenhütten-stadt Eisleben
Emden Enschede Erfurt Erlangen
Esslingen Feldkirch Forchheim
Frankfurt/Oder Freiburg Fritzlär

Hilpoltstein
Homberg / Efze Hoyerswerda
Idstein Ilmenau Ingolstadt Jena
Kaiserslautern Kassel Konstanz
Korbach Kreuztal Landeck-Tirol
Landstuhl Le Mans Leinefelde
Leipzig Liverpool London Lüb-
benau Lübeck Ludwigshafen
Lüneburg Luxembourg Lyon
Magdeburg Manchester Marburg
Meerane Meißen Memmingen
Merseburg Metz Mönchenglad-
bach Montbéliard Mühlhausen
Muri Neubrandenburg Neuss

Singen
Seebad
Ahlbeck Sie-
gen Sigmaringen
Singen Solingen Son-
dershausen Sonneberg
Stade Stendal Stralsund Stras-
bourg Teltow Troisdorf Tübingen
Ulm Vaduz València Villingen
- Schwenningen Waren Weimar
Wernigerode Wetzlar Wismar
Wittenberg Wolfenbüttel Wolfs-
burg Worbis Worcester Worms
Würzburg York Zittau Zossen
Zug Zürich Zweibrücken Zwole



The Kassel Kerb®
is protected by a European Patent



The quality management system has been
certified according to DIN EN ISO 9001



Compliant to
DIN EN 1340/DIN 483

You can contact us at:

PROFILBETON GmbH
Waberner Straße 40
D - 34582 Borken/Hessen

Phone +49 (0)56 82 - 73 86 0
Fax +49 (0)56 82 - 73 86 42

www.profilbeton.de
info@profilbeton.de



PROFILBETON

Your contact person at



Carsten Hasch
Management



Lars Schaubhut
Sales Management



Marco Rudel
Head of
Engineering/QM



Tanja Streitmatter
Head of Back Office



Barbara Pinto
Technical
consultation



Sven Carus
Regional Sales
North/East

e-mail: carsten.hasch@profilbeton.de

e-mail: lars.schaubhut@profilbeton.de

e-mail: marco.rudel@profilbeton.de

e-mail: tanja.streitmatter@profilbeton.de

e-mail: barbara.pinto@profilbeton.de

e-mail: sven.carus@profilbeton.de

PROFILBETON

