This high strength, anti-vehicular kerb has been specifically designed for busy traffic routes and all urban locations where it is essential to ensure that vehicles remain on the roadway.

Designed to withstand HGV wheel impact.

Unique profile directs vehicles impacting on kerb back into the roadway.

Flat front face of kerb accepts directional signage.

Out-performs all other kerbs in withstanding vehicular impact damage.

To create extra stability, units are able to accept dowel bars.

APPLICATIONS
HGV kerb is specifically designed for busy traffic routes and all urban locations where it is essential to ensure that vehicles remain on the roadway.

MANUFACTURING STANDARD
HGV kerb is manufactured using a wet pressed process and is manufactured in accordance with and generally complies with relevant sections of BS EN 1340: Concrete Kerb Units – requirements and test methods.

Aggregate Industries fully operates an accredited Quality Assurance scheme, certified to BS EN 9001:2008 which is independently and regularly assessed by BSI (British Standards Institution). All Aggregate Industries manufacturing sites are also certified to BS EN 14001 Environmental Management Systems.

PERFORMANCE WITH SLIP RESISTANCE
Unpolished slip resistance values, when tested in accordance with BS EN 1340, are available on request. All Aggregate Industries kerb units are classified as having a low potential for slip.

Polished slip resistance values can be provided on request.

COMPLEMENTARY PRODUCTS
Designed for use with British Standard kerb.

PRODUCT DATA

<table>
<thead>
<tr>
<th>Type</th>
<th>Main unit</th>
<th>Half unit</th>
<th>Radius unit*</th>
<th>Dropper unit types A&amp;B</th>
<th>*</th>
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<td>Length (mm)</td>
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<td>110</td>
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</table>

* Radius units: available in 36/12, 11/7, 6/4.5, 3, 2 and 1.5 metre external radius versions, plus 36/12, 11/7, 6/4.5 and 3 metre internal radius versions. All radius units are made to order.

* Transition units: left hand and right hand versions, types A and B are both required to create transition from HGV kerb to British Standard kerb 125x255mm HB2.

For NBS clauses, refer to Aggregate Industries technical services.

Quadrant sizes available: 415x115x30, 415x115x60, 415x370x45. Internal angle 90° angle. Dowel bar HGV kerb available to order.
HGV kerb external radius plan view.

HGV kerb internal radius plan view.

Transition units to HB2 kerb (left hand version shown).
HGV KERB

KERBS

QUADRANTS AND ANGLES

HGV kerb 45° quadrant.

HGV kerb 60° quadrant.

HGV kerb 90° quadrant

Quadrant.

KGV kerb internal 90° angle plan view.
HGV KERB

DESIGN STANDARDS
All installations should be detailed and constructed in accordance with BS7533: Part 6.

HGV KERB
SUB-GRADE
As for adjoining paved areas.

SUB-BASE
Material: granular sub-base type 1.
Compacted depth: 150mm min.

BEDDING AND HAUNCHING
Material: concrete (grade ST1).
Minimum dimensions: (see Fig.2).

Note: When using HGV with dowel holes, it is necessary to lay the kerbs on a fresh concrete kerb race and hammer the dowel bars into the race after unit is placed. The holes should then be grouted as specified by the engineer (see figs 3 and 4).

DETAILING
Radii: Select from 36/12, 11/7, 6/4.5, 3, 2, or 1.5 metre radius units to form required radius kerb-line.

Angles: Select 45°, 60°, or 90° quadrants as required.

Transitions: Use 2-component transitions between HGV kerb and standard HB2 kerbing.

HAUNCHING
All kerbing should normally be haunched with concrete to ensure full stability and support for adjacent paving and to help withstand occasional vehicular impact.

Fig 2. HGV Kerb: bedding/haunching
Fig 3. HGV Kerb: HGV with dowel bar detail – typical detail of new installation
Fig 4. HGV Kerb: HGV with dowel bar – typical detail for use on bridge deck, etc.
HGV KERB

SUSTAINABILITY AND LOCAL SOURCING

ENERGY USE: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 baseline.

RECYCLABLE: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

MANUFACTURING LOCATION:
Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

RESPONSIBLE SOURCING: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global.

Products are assessed on:
- Quality management.
- Environmental management.
- Health and safety management.
- Greenhouse gas emissions.
- Minimising raw material usage.
- Labour practice.
- Biodiversity.
- Community engagement.

KEY AGGREGATES AND RECYCLED CONTENT
HGV kerb is manufactured using high quality, hard wearing granite aggregates.

GENERIC GREEN GUIDE RATING*
Not applicable.

POLICIES
Aggregate Industries’ policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

DESIGN AND INSTALLATION
For successful installation refer to BS 7533 Part 6. For specific design, installation and maintenance guidance, please contact our technical department on 01335 372222.

MAINTENANCE AND CLEANING
Aggregate Industries can supply on request advice on specific stain removal and general maintenance, suitable cleaning products and referrals to specialist cleaning companies.

COSHH DATA
Full COSHH data on the Charcon range of products is available on request. Please call the technical helpline on 01335 372222.

TECHNICAL SUPPORT
DETAILED GUIDANCE AND ASSISTANCE WITH THE PREPARATION OF SPECIFICATION OF THE CHARCON RANGE OF HARD LANDSCAPING PRODUCTS, INCLUDING MODEL CLAUSES, IS AVAILABLE THROUGH THE SALES OFFICE. A FREE TECHNICAL DESIGN SERVICE IS ALSO AVAILABLE.

FOR FURTHER INFORMATION, PLEASE REFER TO OUR TECHNICAL SERVICES ON 01335 372222.

* Ratings based upon generic green guide values (2009) supplied by BRE Global Ltd, www.thegreenguide.co.uk

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