

DuraDrain

Heavy Duty Lightweight Drainage Kerb

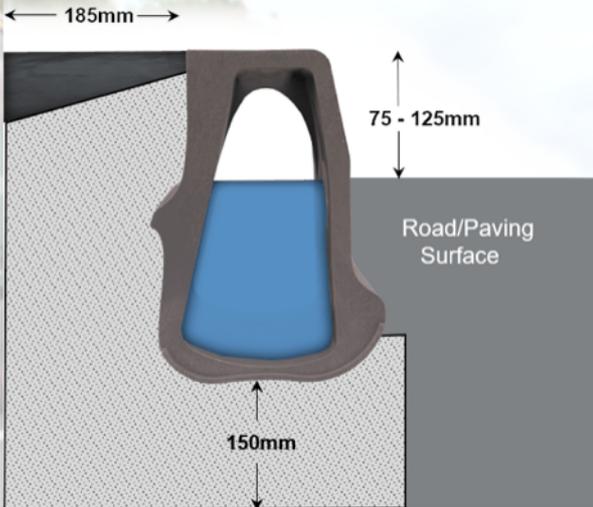


DuraDrain from Killeshal Precast Concrete Ltd. is a lightweight Drainage Kerb made with a high recycled material content, producing a recyclable lightweight, yet Heavy Duty DRAINAGE KERB SYSTEM

DuraDrain is a complete Heavy Duty, combined Kerb and Drainage System, with a range of units available for straight runs, internal and external radii, as well as rodding chambers/access chambers (with ductile iron covers) and gully outfalls to suit standard 450mm diameter road gullies.

DuraDrain - Lightweight Heavy Duty Drainage

DURABLE DRAINAGE KERB UNITS WITH LARGE FLOW VOLUME



The DuraDrain combined kerb and drainage system, available from Killeshal Precast Concrete Limited, provides efficient drainage to prevent flooding or settlement and to protect surfaces.

Duradrain is a heavy duty combined kerb and drainage system that provides an efficient and safe method of draining highways, car parks and potentially any surface or structure with a kerb edge.

Combined kerb and drainage systems collect run-off continually and quickly which helps extend the life of a project and improve the conditions for users and their safety, particularly in Highways.

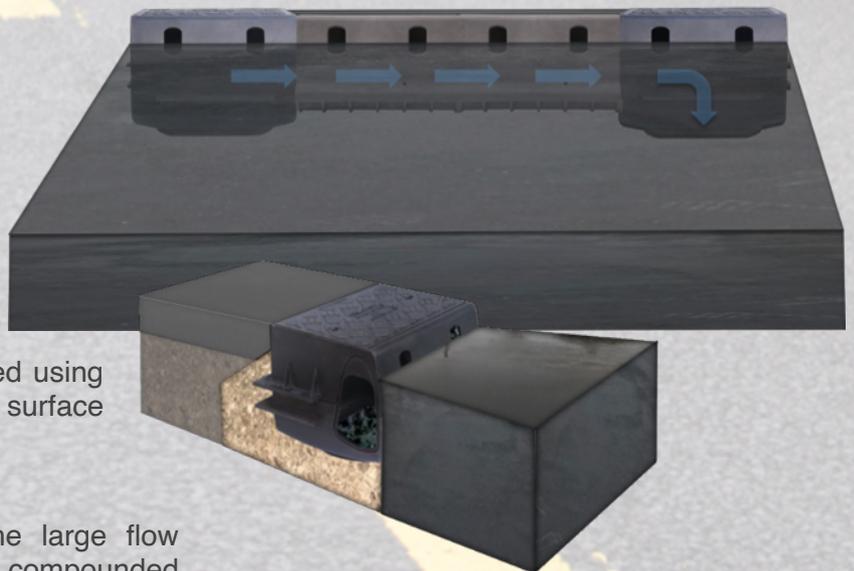
Efficient Surface Water Drainage with DuraDrain

LARGE FLOW VOLUME

Unlike the traditional kerb and gully method where flows compound on the surface, the collected run-off is contained and driven to outlet hidden within the channel body.

As the kerb-lines are traditionally set at a low point, the levels on site can be simplified using one- directional cross-fall/camber to deliver surface water to the kerb-side.

The material properties combined with the large flow volume create faster flows. Large flows are compounded and delivered to outlet, protected and hidden within the channel body.



TOUGH ENOUGH FOR HEAVY TRAFFIC LIGHT ENOUGH FOR EASY HANDLING



NO-CON-SAWS REQUIRED



EASILY CUT TO SIZE



Strong & Lightweight

FOR EASIER HANDLING AND QUICKER, EASIER INSTALLATION

DuraDrain combined kerb and drainage system, available from Killeshal Precast are manufactured from a lightweight material using recycled plastics.

The manufacturing process produces units that are rated for highway use yet are far easier to work and handle than conventional concrete drainage kerbs.

This dramatically reduces the time and resources needed to complete an installation of drainage kerb.



- rated for highway use
- light enough for one person to carry multiple units
- can be cut to shape and size with hand tools

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DuraDrain - A Complete Drainage Kerb System

COMPONENTS READILY AVAILABLE FOR EACH FUNCTION



Access Chamber Units

The DuraDrain system includes access/inspection units with ductile iron covers to provide easy maintenance access along with a durable service life



Gateway/Dropped Kerb units

Ensuring continuity of drainage performance across gateways and other traffic access points, DuraDrain units are available as slotted, dropped kerb units



Rodding Chambers

Rodding chambers are available for installation intermittently along drainage runs, ensuring continued performance with minimal maintenance



Radius Kerb Units

DuraDrain drainage kerb units are available to suit any installation, including those requiring internal or external radius units, ensuring a functionally performant and aesthetically pleasing drainage kerb system

DuraDrain - Efficiently Combined Kerb & Drain

REMOVING SURFACE WATER FROM THE ROADWAY INTO AN INTEGRATED CHANNEL

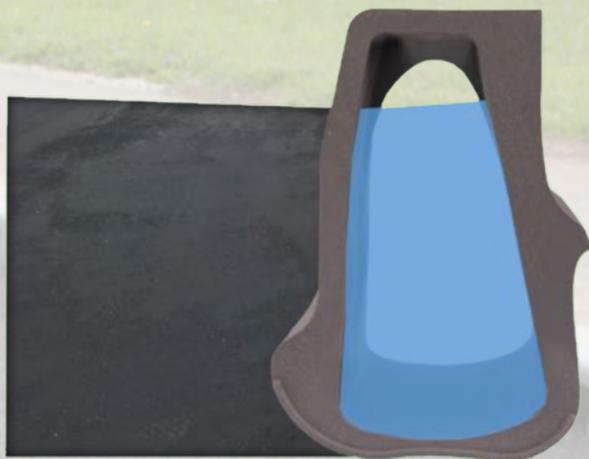
All exposed impermeable surfaces require efficient drainage to prevent flooding or settlement and to protect surfaces. Duradrain is a heavy duty kerb and drainage system (CKD) providing efficient and safe method of draining highways, car parks and potentially any surface or structure with a kerb edge.

CKD systems collect run-off continually and quickly, extending a project's life and improving conditions for users and their safety, particularly in Highways.

Unlike traditional kerb and gully methods where flows compound on the surface, collected run-off is contained and driven to outlet hidden within the channel body.

As kerb-lines are traditionally set at a low point, the levels on site can be simplified using one-directional cross-fall/camber to deliver surface water to the kerb-side.

DURADRAIN 70000 - HALF BATTER



DURADRAIN 60000 - FULL BATTER (45 Degree splay)



Duradrain 70000 Combined Kerb & Drainage HB Profile Standard Unit

Length = 500mm
Width = 215mm
Depth = 305mm
Profile = Half Batter
Designed Weir Height/Kerb-Show = 75-125mm
Usable Flow Area = 21,197mm²
Roughness Value = 0.009

Hydraulic Efficiency

The combination of a large usable volume and hydraulically efficient material means Duradrain creates fast flows and good silt transit.

This aids longevity of structure, system and product, reducing the frequency for future maintenance.

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DuraDrain - Sustainable Construction

RESPONSIBLE AND SUSTAINABLE CONSTRUCTION

Waste plastic doesn't have to be a problem if we recycle and re-use responsibly. There are 182 bottles caps and closures in an average Durakerb standard unit, making the DuraDrain system perfect for responsible, sustainable construction.

In choosing DuraDrain for your project, you will be improving the environment by providing a safe and useful destination for waste plastic as well as reducing your carbon footprint.

DuraDrain Compliance

For Combined kerb & drainage systems the Harmonised Standard verifies compliance and defines the requirements and demands for a product. The requirements for compliance have been developed and set by CEN/CENILEC within EU Legislation.

They are designed to remove barriers to trade, promote entrepreneurship and improve access to markets.



PAS2050 Independent Study (Sustain Ltd) showed 30,676kg of carbon is saved for every 1000mtrs of Durakerb installed.

DuraDrain lightweight and recycled drainage kerb units provide for a safer, greener, faster and easier solution to kerb-side drainage. They provide you with the opportunity to design and construct with responsibility.

Duradrain combined drainage and kerb units comply fully with the harmonised standard **(EN1433 - Heavy Duty Load Category – D400)** and carry the CE mark.

Duradrain also meets the requirements of the interim advice note IAN117/08 Rev 2 and can be approved, used and adopted within highways across the UK, Ireland & Mainland Europe.



Quality – Compliance – Performance Assured

Please note – Qualification under EN1433 verifies compliance, defining the requirements for a product based on its intended use/function. Additionally a hydraulic function check for each section of CKD is necessary for a fully proven combined system.

EN1433 also stipulates installation “must” be carried out as per our installation advice.

Please visit our website for more information or contact us for a copy of our comprehensive Design & Installation Guide.