

Bridge and shallow depth drainage

Due to the huge success of the KerbDrain Road Drainage product, We have developed the NEW KerbDrain BRIDGE Shallow System for Structures and restricted depth construction.

Made from sustainable materials.

All **DEco** BridgeDrain products are manufactured from Polymor Concrete which is a high strength and sustainable material that meets environmental and sustainability targets for construction products. Four times stronger than traditional concrete, Vienite® utilises high levels of post-consumer recycled waste, but unlike some recycled materials does not compromise strength or long-term performance.



The product is available as 150mm, 220mm and 310mm wide with various depths depending on the Kerb Profile required (75mm, 100mm or 125mm splay or HB).

- * Manufactured as a high strength one-piece monolithic unit.
- * Idea for areas where construction depths are limited i.e. concrete slabs, Bridges, roads built as a slab or structure, underpasses and above culverts.
- * 3 widths depending on Hydraulic run-off.
- * Allows continuity of MCI KerbDrain drainage from carriageways to structures.
- * Sub-surface drainage facility to help drain asphalt matrix.
- * Fully compliant to EN1433 D400KN for Kerb Drainage Systems.
- * Non-Metallic and therefore non-oxidising.

DEco BridgeDrain

150mm Standard Unit

500mm long with surface and subsurface inlets with either splay or Half Battered kerb face.

Design Features

A shallow Combined Kerb Drainage for restricted construction depths or for Bridges.

Available with either HB or Splay profile and depths to suit. Due to the nature of the material and manufacturing process, we are able to produce numerous depths and kerb profiles not shown below. The 150mm wide unit is typically for low flow areas. Please call Sales for more information.

Product Code	Total Depth	Kerb Profile Height	Width Bore	Length	Weight
150mm x 165mm	165mm	75mm	100mm	500mm	9.2kg
150mm x 190mm	190mm	100mm	100mm	500mm	9.6kg
150mm x 210mm	210mm	125mm	100mm	500mm	10kg



220mm Standard Unit

500mm long with surface and subsurface inlets with either splay or Half Battered kerb face.

Design Features

Again available with either HB or Splay profile and depths to suit. Due to the nature of the material and manufacturing process, we are able to produce numerous depths and kerb profiles not shown below. We also have the advantage of the 235mm deep unit for standard roads, or for installation directly on the deck. Please call Sales for more information.

Product Code	Total Depth	Kerb Profile Height	Width Bore	Length	Weight
220mm x 165mm	165mm	75mm	160mm	500mm	12kg
220mm x 190mm	190mm	100mm	160mm	500mm	12.5kg
220mm x 210mm	210mm	125mm	160mm	500mm	13.5kg
220mm x 235mm	235mm	125mm	160mm	500mm	14.5kg



310mm Standard Unit

500mm long with surface and subsurface inlets with either splay or Half Battered kerb face.

Design Features

Again available with either HB or Splay profile and depths to suit. Due to the nature of the material and manufacturing process, we are able to produce numerous depths and kerb profiles not shown below. We also have the advantage of the 235mm deep unit for standard roads, or for installation directly on the deck. Please call Sales for more information.

Product Code	Total Depth	Kerb Profile Height	Width Bore	Length	Weight
310mm x 165mm	165mm	75mm	255mm	500mm	21kg
310mm x 190mm	190mm	100mm	255mm	500mm	22kg
310mm x 210mm	210mm	125mm	255mm	500mm	23kg
310mm x 235mm	235mm	125mm	255mm	500mm	24kg





Sealant and
bedding mortar
available on request.

End or Intermediate Rodding Access Unit

End Rodding & Intermediate Rodding Access units

Design Features

End Rodding units are either left or right handed to suit the kerb line. Intermediate units are placed approx every 20mts. The access point is sufficient for rodding or jetting.



Product Code	Total Depth	Kerb Profile Height	Width Bore	Length	Weight
EU/IU	165/190/210mm	To suit std unit	100mm	500mm	10kg
EU/IU	165/190/210mm	To suit std unit	160mm	500mm	14kg
EU/IU	165/190/210mm	To suit std unit	255mm	500mm	23kg

End or Intermediate Outlet Unit Complete With Rodding Access

End OR intermediate outlet units.

Design Features

Outlets can be placed on base, at end of run (if space allows) or on the rear. The outlet is usually 110mm or 160mm outside diameter but can be size to suit site. All outlets will always be roddable.



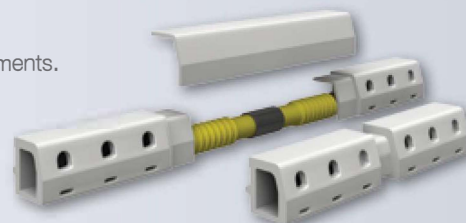
Product Code	Total Depth	Kerb Profile Height	Width Bore	Length	Weight	Outlet size
EUO/IUO	165/190/210mm	To suit std unit	100mm	500mm	10kg	110mm/ 160mm
EUO/IUO	165/190/210mm	To suit std unit	160mm	500mm	14kg	110mm/ 160mm
EUO/IUO	165/190/210mm	To suit std unit	255mm	500mm	23kg	110mm/ 160mm

Expansion Joint Assembly- Sliding or Standard

Either a 2mt expansion joint assembly or a 1mt sliding expansion assembly for small movements.

Design Features

Expansion Joint Assemblies are designed to bridge the Expansion joint on bridges. We have a number of standard units, but are always happy to design and manufacture bespoke assemblies for large or difficult joints. The sliding unit is for buried joints or joints that can be elevated to footpath level behind the kerb-line.

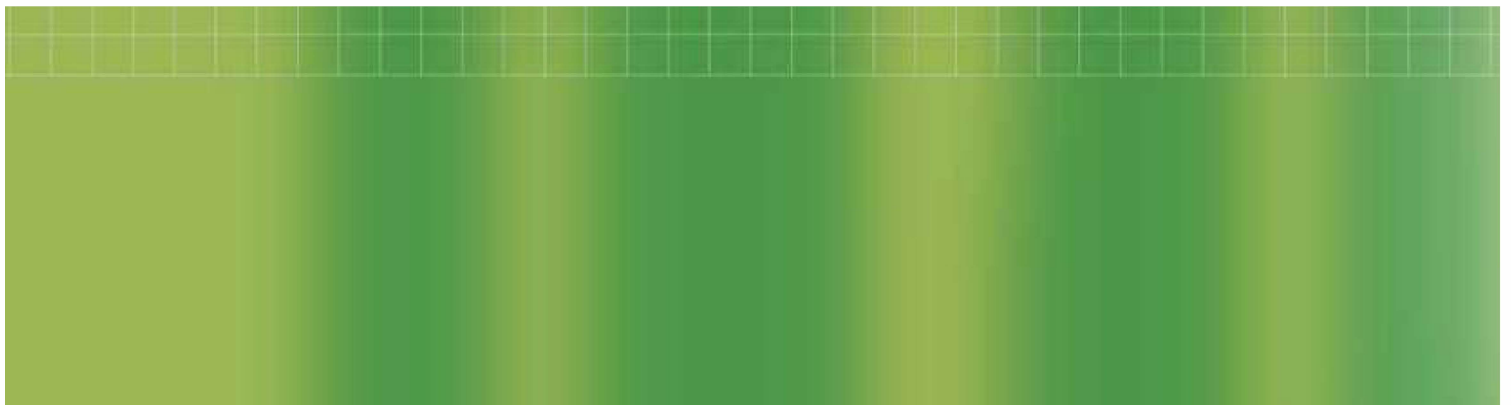


Product Code	Total Depth	Kerb Profile Height	Width Bore	Length	Possible movement
EXP	165/190/210mm	To suit std unit	150/220/310mm	1mt	+/- 40mm
EXP	165/190/210mm	To suit std unit	150/220/310mm	2mt	+/-120mm
EXP	165/190/210mm	To suit std unit	150/220/310mm	Special cover plate	Please call

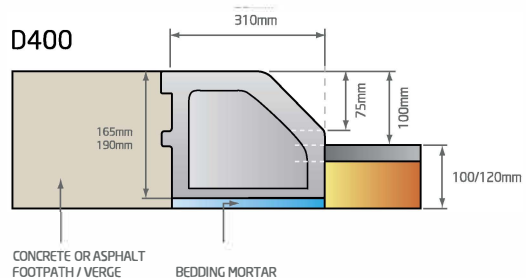
Installation Guide

DEco BridgeDrain drainage will normally be installed on a concrete deck or slab - This acts as your base. If you are to install on soft ground or compacted stone please see installation details for standard **DEco KerbDrain**.

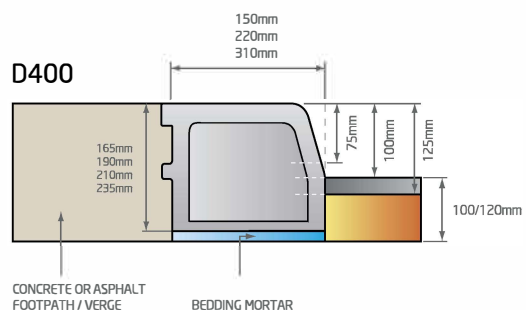
- 1) Layout units prior to installation to ensure all rodding units, outlets and expansion joint assemblies are positioned correctly.
- 2) We suggest that expansion joint assemblies are installed first as these cannot be cut to length.
- 3) Mix Bedding mortar as described on the bag, or on the product details available from the sales office.
- 4) DO NOT mix too much mortar as it is quick setting. Please experiment with the material first. Do not alter the mix ratio.
- 5) Install to line and level. It is advisable to find deck/structure high point and use this to determine the levels. Therefore reducing thickness of bedding mortar.
- 6) Sealant must be applied to unit yet to be laid and then butt together keeping joints clear of concrete bedding material.
- 7) Units can be cut with a power saw with either masonry or carbon blade. A mask, goggles and ear defenders should be worn.
- 8) Units must be cleaned prior to handover.



Splay Unit



HB Unit



Please note that EN1433 is clear and concise. ALL combined kerb products must be tested for watertightness - therefore units must be sealed to ensure conformity.