



EFFI

EnviroKerb Frequent Flow Inlet

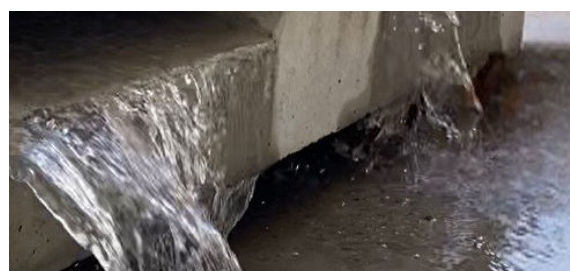
Pioneering a new standard in kerb and channel inlets.

The EFFI is an innovative precast concrete kerb and channel inlet derived from EnviroKerb. This design incorporates a built-in galvanised steel tray filled with permeable concrete, all integrated within the kerb. The EFFI is positioned on a precast concrete water ramp that directs surface water towards the back of the kerb.

This unique combination of a robust, load-bearing permeable aggregate enclosed in an engineered frame enables frequent water flow capture at the kerb line. Surface water is received, passed through the permeable media and directed to the receiving system or the adjacent soil profile, supporting passive irrigation of street trees, garden beds and nature strips.

Because capture occurs at the kerb during frequent, low-intensity flows, the EFFI delivers water where it is needed most, while coarse and fine surface material is retained within the tray rather than carried downstream.

A standout feature of this design is the ease of maintenance. The tray can be swiftly and easily removed from the precast concrete body via the access locator cast into the galvanised steel tray, facilitating cleaning and replacement.



Frequent Flow Capture

Intercepts low-intensity flows at the kerb line.

Passive Irrigation

Feeds street trees, garden beds and nature strips.

Simple Tray Access

Lift-out tray for fast cleaning and replacement.

Specifications, Weights & Water Flow Rates



Precast Concrete Kerb Body

Length	1200mm
Width	600mm
Channel thickness	200mm
Weight	approx. 230kg
Throat opening	900 × 235mm

Tray Insert

Galvanised steel tray	990 × 350 × 50mm
Lifting locator	Standard Gatic
Weight	approx. 23kg
Load rating	Class D

Precast Concrete Water Ramp

Length	995mm
Width	595mm
Height	200mm
Weight	approx. 200kg
Lifting threads	Cast-in M16

WATER FLOW RATE

Up to 500mm per min

Tested to ASTM 1701.

RECYCLED AGGREGATE

The precast concrete body and water ramp can uniquely incorporate up to 20% recycled plastics as a replacement for mined aggregate. The tray insert aggregate can also include up to 20% repurposed soil material as an aggregate replacement.



Applications

Roads, car parks and hardstand areas
Street tree and nature strip irrigation
Public open space and landscape design
Retrofit of existing kerb and channel

Contact

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