

FORMAVOID IN ACTION

Project:

CORNFORD ROAD

Permeable Car Parking



The Project

Phase 1 of a significant commercial development located on the Fylde Coast, comprising a 60m x 30m factory and associated parking areas and concrete service yard.

The Solution

A Formavoid enhanced subbase attenuation system was implemented beneath the whole car park surfaced with permeable block paving.

The 200mm deep Formavoid subbase (100mm Formavoid & 100mm Type 3 MOT cover) provided 100mm of stormwater attenuation volume across the whole area with one small outlet restricted to 5l/s/h.

A permeable block paving surface was chosen to allow water to enter the subbase without the need for channel & gullies, whilst also providing sufficient source control hydrocarbon interception and natural biodegradation.

The Formavoid enhanced subbase

system provided all of the required attenuation volume and water treatment for the car park with **no geocellular tank or hydrocarbon interceptor**. A true source control sustainable drainage system.

Environmental

- Carbon zero, recycled plastic Formavoid units
- 250tons of aggregate saved - saving 1,300kg of embodied carbon
- Reduced attenuation tank size & reduced excavation
- At source hydrocarbon interception and treatment
- Controlled discharge of treated stormwater to the watercourse

Significant Facts & Figures

Attenuation provided: 360m³
Formavoid area: 2,000m²
Subbase depth: 200mm
Suitable for car loading and occasional HGV

Visit www.water-products.co.uk for more information.



FORMAVOID IN ACTION

Project:

CORNFORD ROAD

HGV Service Yard with Permeable Bays



The Project

Phase 1 of a significant commercial development located on the Fylde Coast, comprising a 60m x 30m factory and associated parking areas and concrete service yard.

The Solution

An impermeable concrete service yard was installed with no collection drains/gullies to create an extremely hard wearing highly trafficked service yard.

Surface water runs off the concrete into a 7m wide strip/apron running along the edge of the concrete yard. The 7m strip has the robust permeable CellPave HD surface installed atop a Formavoid enhanced open graded subbase, providing all of the stormwater attenuation and treatment for the concrete yard area.

The Formavoid subbase system was circa 400mm deep to provide 160mm of stormwater attenuation depth across the 1,000m² apron area; totalling 160m³.

The permeable apron provided all of the attenuation and treatment for the concrete service yard and was utilised as trailer parking as the change in surfacing provided a convenient and clear delineation.

Environmental

- Carbon zero, recycled plastic Formavoid units
- 380tons of aggregate saved - saving 2,000kg of embodied carbon
- Reduced excavation depth
- At source hydrocarbon interception and treatment
- Controlled discharge of treated stormwater to the watercourse

Significant Facts & Figures

Attenuation provided: 160m³

Formavoid area: 1,000m²

Subbase depth: 400mm

Suitable for frequent HGV loading

Visit www.water-products.co.uk for more information.

