

Installation

[Updated 12 May 2010]

VEHICLE TRAFFIC PAVEMENTS

UNLINED SYSTEMS – INFILTRATION

Assumptions

- Subgrade investigated/tested CBR ≥ 5 .
- Site permeability considered acceptable.
- Design has professional road engineer input.

Excavate to design depth.

Prepare and trim subgrade.

Install edge restraints.

If specified, place subbase material (generally 20-40mm no-fines crushed rock) in 100mm layers and consolidate (compact with flat plate vibrator).

Place base course material (generally 5-20mm no-fines crushed rock) in 100mm layers and consolidate (compact with flat plate vibrator) – base and subbase depth to be 250mm min in light traffic applications and 300mm for heavier traffic.

If specified, place open knitted shade cloth or other suitable nonwoven geotextile over base course, stretch and secure.

Place and level bedding material (generally 2-5mm or 5mm single size no-fines crushed rock) to a depth of 50mm. A 5mm single size basalt layer will generally reduce by 10mm after compaction of pavers.

Commence placement of full HydroSTON 80 paving units in herringbone bond with 'headers' using closely arranged parallel string lines, aligning and leveling as laying proceeds.

After laying full units, cut part units and place and position to complete pavement cover. Avoid cuts < 30% unit length.

Sweep 1-3mm HydroCon Joint Filler into 4mm av. joints, commencing with main pavement body. Gaps between headers and edge restraints may vary in width can be filled larger grain material eg 2-5mm. Joint filler quantities based on pavement body joints (9kg per m²).

Compact pavement cover with flat rubber plated vibrator.

Refill any gaps with joint filler, sweep pavement cover and temporarily protect with PVC sheeting to prevent works contamination.