

HydroSTON - Do's and Don'ts

- We invite you to contact HydroCon if you have not installed HydroSTON before.
- Installation requires an understanding of the HydroSTON permeable paving system.
- Proper installation of the pavement substructure and cover vital to permeability and stability.
- Pavement should be constructed as recommended. See Step by Step installation guide.
- Design can be tailored to application and site conditions.

Preparing pavement substructure – base course and bedding layer

- Pavement substructure should be designed to site subgrade characteristics ie clay (impermeable), sand (highly permeable) or other (variable permeability).
- Substructure must be permeable from top to bottom.
- Provide for water discharge – infiltrate directly into ground, flow to landscape areas or via slotted drainage pipes to stormwater system.
- Use only LOW/NO FINES crushed aggregate preferably virgin basalt (blue metal) - do NOT use sand, recycled concrete products or non-permeable road base.
- Edge restraints critical part of design. Must be incorporated into design and strong enough to totally lock in substructure materials and pavers.
- Ensure base course is fully compacted in 100 mm layers.

Laying pavement cover – pavers

- Blend pavers from at least 3 pallets.
- Butt pavers together in selected bond – do NOT lay with gaps between joints.
- Joint filler only required where pavers have been cut against headers – sweep bedding material into gaps. Do NOT use sand.
- Where possible, avoid making small cuts ie less than one-third of paver face.
- Do not cut pavers on pavement unless surface covered and well protected.
- Use rubber hammer when adjusting pavers and mat under plate when compacting.
- Make sure pavement surface is not damaged or contaminated – protect at all times.