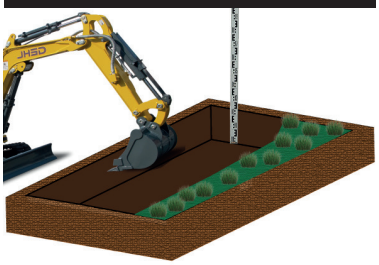
CORE DRIVE Installation Guide

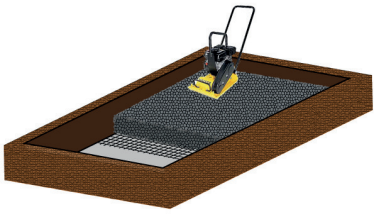
New Drive Construction

STEP 1



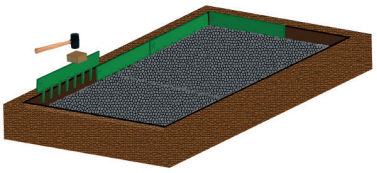
Excavate area for subbase to be installed. *For subbase calculation see overleaf.* Ensure to allow for: 10mm sand bedding layer; depth of grid and the 10-15mm dressing of aggregate when calculating depth from surrounding surfaces.

STEP 2



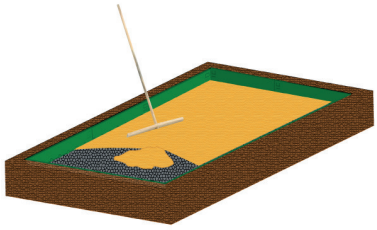
Install membrane and geogrid if required and then the subbase material. Ensure the subbase is well compacted using either a pedestrian roller or vibrating road plate.

STEP 3



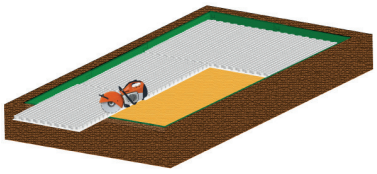
Install a suitable edging around all open sides. This can be a tanalised wooden edging; block paviours; granite setts; concrete path edgings or our very own flexible metal edging (CORE Edge).

STEP 4



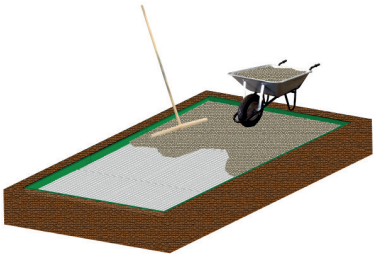
Cover the entire area with a 5-10mm bedding layer of sharp sand and compact. This layer will help to eliminate any minor undulations you may have in your subbase, it also helps to protect the membrane attached to the underside of the grid from the subbase material.

STEP 5



Install the grid starting from one corner and working your way out with the mebrane facing down. Ensure to connect all available clips on all four sides of the sheet and to underlap the membrane where possible. Cut to shape using a petrol disc cutter or grinder. Please ensure to wear necessary PPE for the equipment being used.

STEP 6



Fill the grid with your chosen aggregate either using a wheelbarrow or direct from a truck. Ensure the truck does not drive on unfilled cells. CORE Drive is designed to be covered by a 10-15mm dressing layer of aggregate making the grid virtually invisible.

CORE Drive Grid with attached geotextile membrane

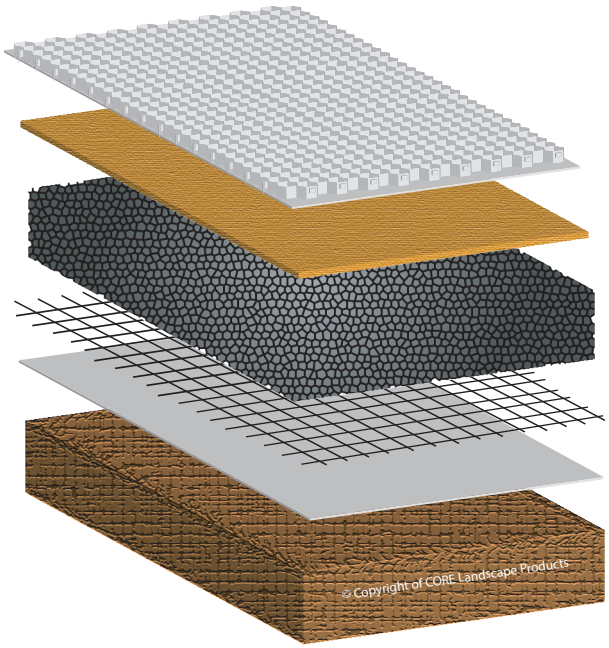
Sharp Sand bedding layer to level any minor dips or bumps (approx. 10mm)

Suitable subbase material for proposed traffic load (for depth see CBR table)

CGSBXG 20Kn Biaxal GeoGrid (optional)

CGSMT1000 Membrane (optional)

Existing Subgrade



STILL UNSURE?

For site specific a dvice and guidance on optional materials, please give our technical team a call.