



GEOHEX

AUSTRALIA'S FAVOURITE SOIL
EROSION CONTROL SYSTEM



**Product Information
and Installation Guide**

Installation Guidelines

The GEOHEX™ Erosion Control System is a unique ground stabilisation and sediment control technology with a multitude of uses and easy installation. An ideal solution for rural and farming, civil construction, commercial and residential applications, GEOHEX™ can be used for temporary roads, walkways, car parks, landscaping and more. GEOHEX™ is a cost-effective, simple, and sustainable alternative to concrete or asphalt.



Step 1. Prepare the site by excavating a depth of 200mm .

GEOHEX™ works most effectively when sitting flush with the surrounding ground level. Please allow for the height of GEOHEX™ pavers (42mm) when excavating pre-installation.

Please note, depending on the weight GEOHEX™ will be withstanding in your installation, excavating an additional 10mm to allow for the installation of an aggregate drainable road base may be beneficial. Please see weight guide below for more information.

Installing a quality edging can also support installation best practices of GEOHEX™. Existing earth can be used as a natural edge, as can a number of other edging materials like timber, metal, and concrete.

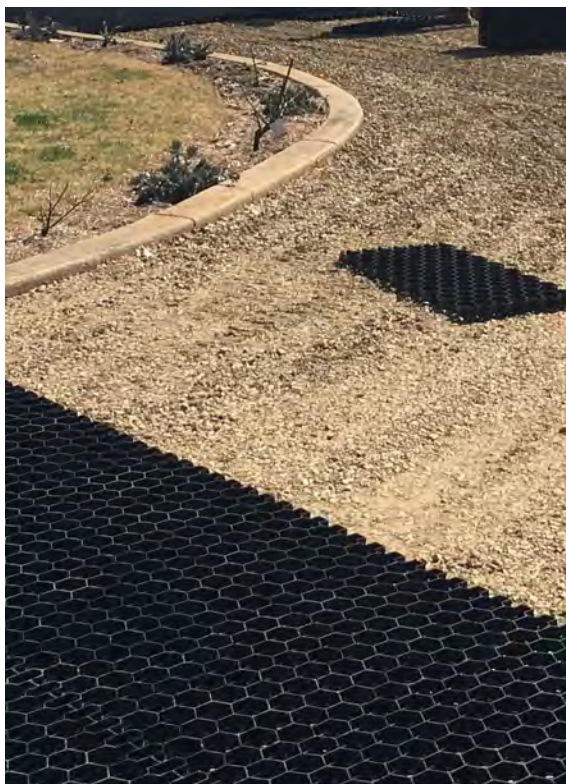
When installing edging for your GEOHEX™ installation, allow 15mm on the surrounding edges for expansion.



Step 2. If the base is a reactive soil or sand, lay a geofabric over the leveled base before installing an aggregate drainable road base. Lightly compact the site to ensure a level installation of GEOHEX™

Please note, the thickness of your base depends on type of traffic travelling over the GEOHEX™ pavers. It's important the base is level with no pot-holes, high spots or large rocks sticking up through the base.

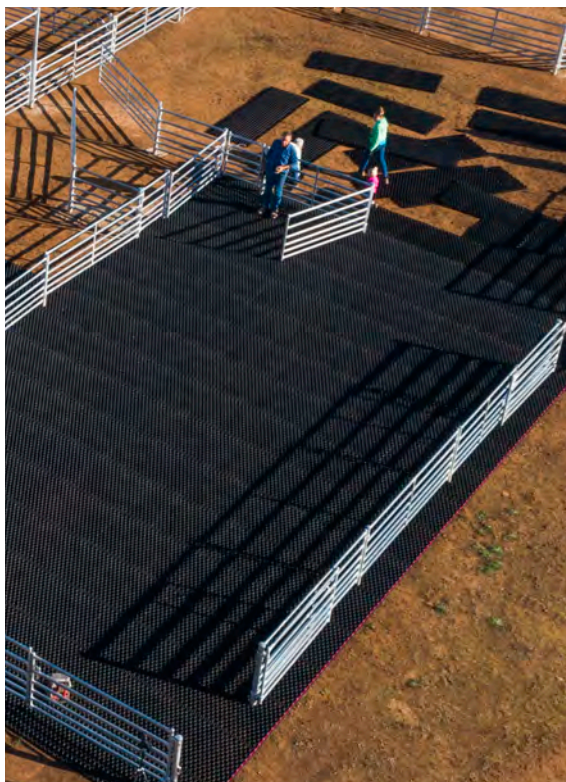
Installation Guidelines



Step 3. Once the drainage base has been lightly compacted, start laying the GEOHEX™ pavers. When laying GEOHEX™, be sure that the male lugs are facing towards the outer edges of the install. This ensures the next piece you lay aligns the male lugs and female joints.

To be sure GEOHEX™ pavers are correctly connected, stand on the connection point of the pavers, on the male lug side to be sure you feel it clip into the female joints. Once connected, there is a small amount of flexibility in the pavers, allowing for some movement to make minor adjustments and for the pavers to follow ground contours.

Remember, GEOHEX™ can be cut with a number of different tools for a clean and safe install. A circular saw is quick and will deliver reasonably straight edges, while a reciprocating saw will allow trimming around curves.



Step 4. Once you have laid GEOHEX™ as outlined in Step 3, fill GEOHEX™ with the aggregate of your choice.

Please note, depending on your installation, different aggregate choices may suit your install better than others. Once you have installed your choice of aggregate for best results, compact the aggregate or soil as much as possible.

1m³ of aggregate is required per 20m² of GEOHEX™.

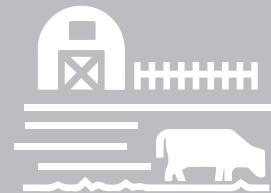
Aggregate Base Recommendations

Driveways – Any aggregate choice will suit, provided the aggregate is no larger than 10mm-15mm in diameter. For sloped driveways, please see Slopes for more information.

Horse Stables – Any aggregate choice will suit, provided the aggregate is no larger than 10mm-15mm in diameter.

Cattle Yards – Any aggregate choice will suit, provided the aggregate is no larger than 10mm-15mm.

Lawns – Compact soil to the top of the GEOHEX™ pavers before watering and filling in any spots that are uneven. Turf can then be laid over the top of the GEOHEX™ pavers. Alternatively, seed or spray grass can be used.



Pictured Cattle Yard

Installing GEOHEX™ on sloped surfaces

When installing GEOHEX™ on any slope, it is best practice to secure the pavers with 150mm - 300mm landscaping screws with a 17mm bugle head. The number of screws per needed per panel is relative to the angle of the sloped surface the product is being installed on.

Please note when laying GEOHEX™ on a slope, it is important not to overfill the GEOHEX™ paver. Overfilling may result in aggregate being lifted from within the honeycomb cell. We recommend using an aggregate of 10mm -15mm in diameter to allow for ample drainage.

For adjoining areas on sloped installations, divert high levels of runoff water away from the GEOHEX™ installation site to prevent erosion forming under the product.

For subterranean installations, 100mm x 200mm plinths may be used at a depth of 200mm to stabilise ground movement beneath GEOHEX™. Refer to your current state building codes for more detailed reference information.

Important note – For best results, slopes over 15 degrees we recommend a certified engineering evaluation and site report prior to installation.

For all sloped installations or more detailed advice on your specific GEOHEX™ installation, contact our team of Territory Sales Managers on (02) 9603 5322.



GEOHEX™ Base Depth Guide

Base depth			
0mm – 50mm	Foot traffic only		
50mm – 100mm	Turf stabilising	Horse stables	Feeders & troughs
100 – 150mm	Driveways	Horse yards	Sheep & cattle yards
150mm – 200mm	Commercial driveways	Equine arenas	Mining applications

This table is based on non - reactive soils only. For advice on reactive soils, please contact the GEOHEX™ team on (02) 9603 5322.





Disclaimer: The information provided herein is for reference purposes only. It is intended as a guide and will not apply to every circumstance as both site conditions and intended use varies. Determination of the suitability of use of the product given the site conditions and intended function is the sole responsibility of the user. We recommend the user seek the advice of a Civil Engineer to assess site conditions and recommend a suitable site preparation procedure using locally available materials and machinery to ensure a successful installation. We accept no responsibility for failure to seek appropriate installation advice prior to the installation of GEOHEX™.



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