



Silca SoilGrid™ Guide



Silca SoilGrid HS30 Hardscape Grid

Save money and time on your substructure. This heavy duty linking grid system allows you to build stronger hardscape by stabilizing the base.

BENEFITS

Silca SoilGrid

- ◆ Up to 50% base reduction in excavation
- ◆ Up to 30% labour cost savings
- ◆ Wider pin-point load dispersal
- ◆ Reduced warranty call-backs from shifting & sinking
- ◆ Reduced settling issues
- ◆ Heavy-duty and permeable base stabilization
- ◆ Easily installed interlocking system
- ◆ Comes in pre-connected sheets 52" x 39" for fast installation
- ◆ Each grid is 13" x 13" x 1 ½" thick (1.17 sq ft)
- ◆ Easy and quick installation
- ◆ Installation without heavy construction equipment
- ◆ Permeable ground reinforcement
- ◆ Low transport & handling costs



INSTALLATION

Silca SoilGrid can be installed quickly and easily without heavy construction equipment. The elements are delivered in "layers". One layer is 14.32 sq ft, consisting of 12 single soil grids. Large areas can be installed by one person as the weight of a layer is low and the interlocking works quickly and easily.

- ◆ Excavate base to desired depth depending on the stone selected. Soil conditions will also be a factor in determining the necessary depth
- ◆ Install geotextile fabric
- ◆ Install aggregate base and compact
- ◆ Install second layer of geotextile fabric

Installing the Pre-Assembled Layers

Start the installation at a corner of the area. To achieve a straight result, we recommend using a guideline along the outside of the area.

- ◆ Fill with sand, gravel, or other small aggregate
- ◆ Install third layer of geotextile fabric
- ◆ Install pavers and polymeric sand

Disassembly

The pre-assembled layers can be disconnected if needed. Put the layer you want to separate on top of another layer, ensuring the edge along the area you want to split is exposed. Push the upper layer (the one you want to separate) down using your foot. Enough force will loosen the safety interlocking system notches.

Adapt (Cut to Size)

For quick and clean cutting of Silca SoilGrid, the following tools have proven themselves in practice:

- ◆ Portable circular saw
- ◆ Jigsaw
- ◆ Cutting disc
- ◆ Crosscut saw



QUESTIONS

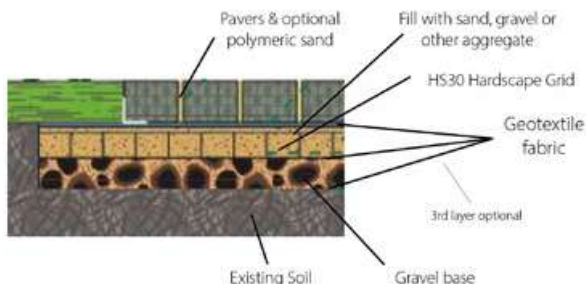
Frequently Asked Questions

Is the Silca SoilGrid durable?

Silca SoilGrid comes with a 20-year warranty and the best possible value. Our system is made of 100% recycled LDPE (also recyclable), heavy-duty, weatherproof and UV-resistant.

Do I have to install an edging?

Edging for pavers can be installed on the surface of the soil grid. The structure of the Silca SoilGrid incorporates integral expansion joints which make an edging unnecessary for the grid. We suggest leaving a 2" space between Silca SoilGrid and the fixed border which also acts as an expansion joint.



Is a Silca SoilGrid area considered “permeable”?

More than 95% of the Silca SoilGrid surface is permeable/open, so surface water cannot accumulate.

Silca SoilGrid can be used for residential and commercial applications.





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