



STONED EKS

SYSTEM





Silca SoilGrid

Hardscape Installation With Silca SoilGrid

The Silca SoilGrid is a heavy duty, interlocking grid system that allows you to build stronger hardscapes by stabilizing the base material.



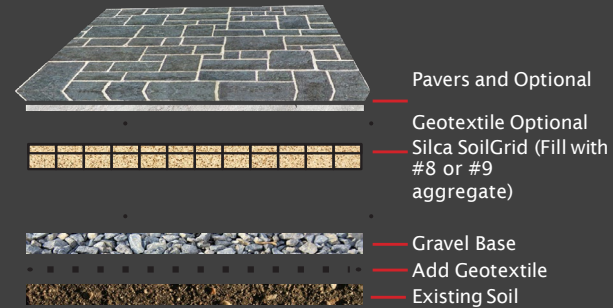
Silca SoilGrid

Save money and time on your substructure. The Silca SoilGrid is a heavy-duty, interlocking grid system that allows you to build stronger hardscapes by stabilizing the base material.

BENEFITS:

- Permeable ground reinforcement
- Up to 50% base reduction in excavation
- Wider pin-point load dispersal
- Reduced warranty call-backs from shifting and sinking
- Reduced settling issues
- Easily installed interlocking system
- Installation without heavy construction equipment

INSTALLING THE PRE-ASSEMBLED LAYERS



TECHNICAL SPECIFICATIONS

Carrying Load	Exceeds H20 and HL93 (fill/base dependent)	Weight per sq ft	1.41 lbs
		Weight per unit	1.69 lbs
Dimensional Stability	Temperature range -58° F to +194° F	Wall height	1 1/8 in
Deformation	0.5% at normal temperatures 68° F to 176° F	Material	100% recycled PE (polyethylene)
Moisture Absorption	0.01%	Pressure resistance	Up to 20 ton axle load
Dimensional stability	Up to 20 ton axle load		
Solubility	Resistant to acids, alkalis, alcohols, oil, diesel, gasoline, (de-icing salt, ammonia, acid rain, etc.)		
Load up to	23 ton/ft² (unfilled), 75 ton/ft² (filled)		

Advantages Of Silca SoilGrid

- Permeable ground reinforcement
- Up to 50% base reduction in excavation
- Less materials to haul away from the jobsite
- Reduced settling issues and warranty call backs
- Easy installation process
- Wider pin-point load dispersal

Where do I use SoilGrid?

The following are examples of areas where you can save on labor and materials as well as offering the homeowner more options for their projects:

-  Patios
-  Walkways
-  Courtyards
-  Any area that has poor soil conditions
-  Any area where permeability is required

SoilGrid Installation

Excavate half of
what you
normally would
based on the soil
conditions, then
compact the area.



SoilGrid Installation

Lay down a layer
of geotextile
fabric on your
excavated area.



SoilGrid Installation

Add your base
aggregate (#89 or
#57
recommended),
grade to desired
base height, then
compact the base
material.



SoilGrid Installation

Compacted base
aggregate ready
for Silca SoilGrid
installation.



SoilGrid Installation

Begin laying the
SoilGrid and
locking them
together.



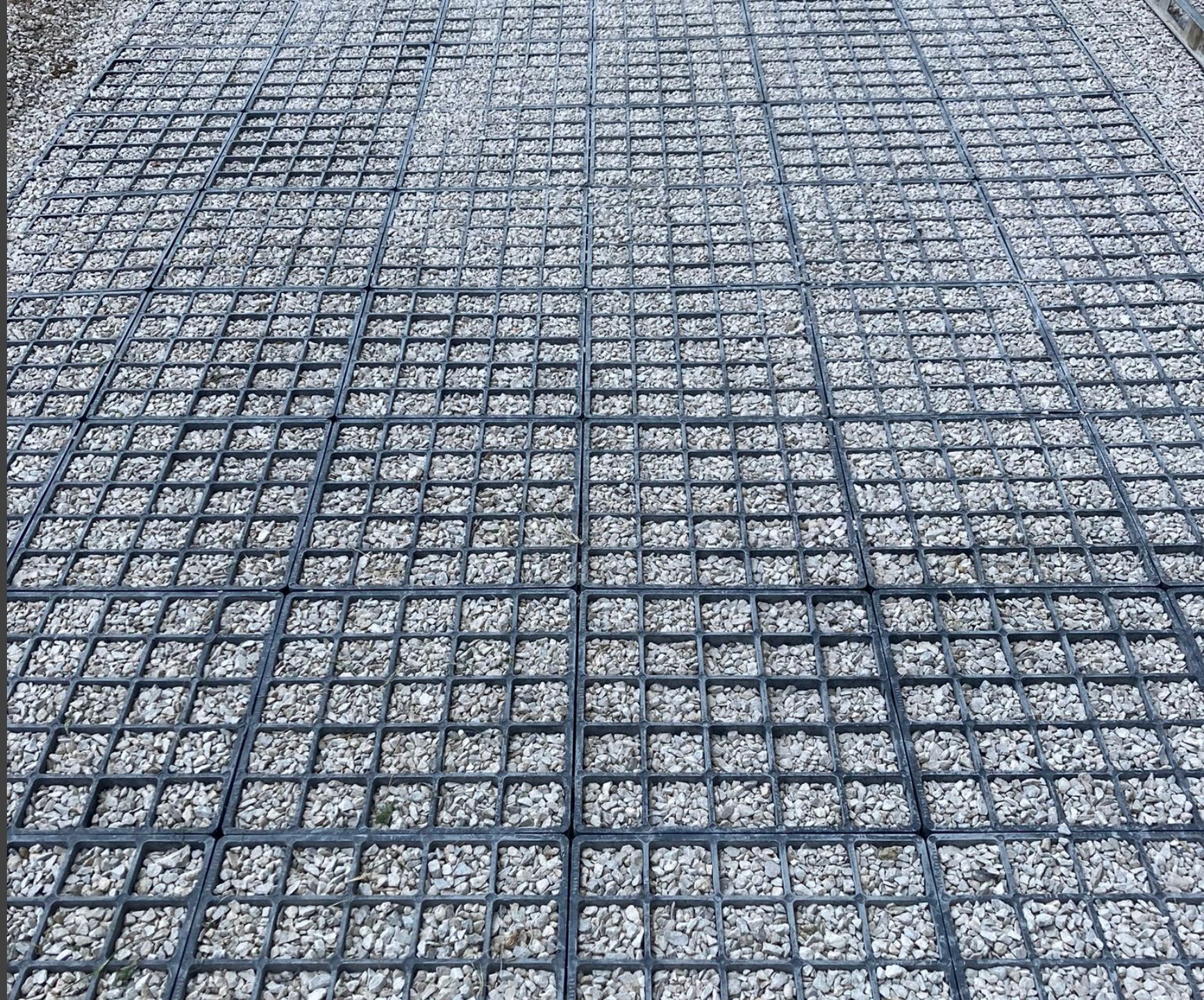
SoilGrid Installation

SoilGrid interlocks with t-tabs on the sides of each grid.



SoilGrid Installation

Fill the SoilGrid
with #89
aggregate.



SoilGrid Installation

Level the filled
SoilGrid with a 4'
level and channel
locks.



SoilGrid Installation

Run your plate
compactor on top
of the filled
SoilGrid.



SoilGrid Installation

Glue the porcelain
down to the
SoilGrid, use
spacers between
pavers.



SoilGrid Installation

Glue the porcelain
down to the
SoilGrid, use
spacers between
pavers.



SoilGrid Installation

Continue laying
pavers, gluing
them down, and
spacing them out.



SoilGrid Installation

Porcelain pavers
ready for
polymeric sand.



SoilGrid Installation

Sweep polymeric sand in the joints of the porcelain pavers and install per the manufacturer's recommendations



SoilGrid Installation

Finished porcelain
paver patio.



SoilGrid Installation

Stable porcelain
paver patio.



John's
Island, SC
9,500 sq.
ft.
porcelain
patio
on
SoilGrid



John's
Island, SC
Finished
Porcelain
Pool Patio



Clarksville,
TN
Porcelain
Pool Patio
on SoilGrid



Clarksville,
TN
Porcelain
Pool Patio
on SoilGrid





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