

MADE IN USA 

# Gravel-Lok<sup>®</sup>

**PERVIOUS AGGREGATE BONDING SYSTEM**



**JOINTS**



**PAVEMENTS**



**STONESCAPING**



# Gravel-Lok

COMBINE NATURAL PEBBLES WITH A POLYURETHANE BINDER. THE MIXED FORMULA IS TROWELED IN PLACE CREATING A DURABLE, DECORATIVE, ECO-FRIENDLY POROUS SURFACE.



GRAVEL-LOK® IS AVAILABLE IN TWO FORMS: CLEAR AND AMBER. EACH ONE IS AVAILABLE IN A 1 GALLON TRIAL SIZE, 5 GALLON CONTAINER AND 50 GALLON DRUM.

## CLEAR BOND - UV STABLE

COLORLESS TO LIGHT YELLOW COLOR  
(FOR WHITE OR ANY COLOR STONE)

## AMBER BOND

AMBER COLORED  
(WILL DISCOLOR LIGHT / WHITE STONES)

SUITABLE FOR RESIDENTIAL PATHWAYS, PATIOS, DRIVEWAYS, GARDEN PATHS, FRENCH DRAINS, STONE SCAPING AROUND FLOWER BEDS AND GARDENS, CITY STREET TREE PITS, TREE SURROUNDS

## THE Gravel-Lok POROUS SURFACE SYSTEM

IS A REVOLUTIONARY PAVEMENT SYSTEM COMPOSED OF A POROUS BASE AND A BONDED AND POROUS GRAVEL SURFACE.



**1. SURFACE** WHICH IS CREATED BY MIXING GRAVEL-LOK CLEAR BOND WITH STONE PEBBLES AND TROWELED IN PLACE OVER OUR POROUS BASE SYSTEM.



**2. POROUS BASE** CONSISTS OF CLEAN WASHED AGGREGATE THAT IS REINFORCED WITH CELL-TEK LSG LOAD SUPPORT GRID. LSG PREVENTS LATERAL MOVEMENT AND INCREASES THE LOAD SUPPORT OF THE AGGREGATE INFILL. THE BASE SYSTEM IS PLACED ON A GEOTEXTILE FABRIC TO FILTER OUT SEDIMENT.

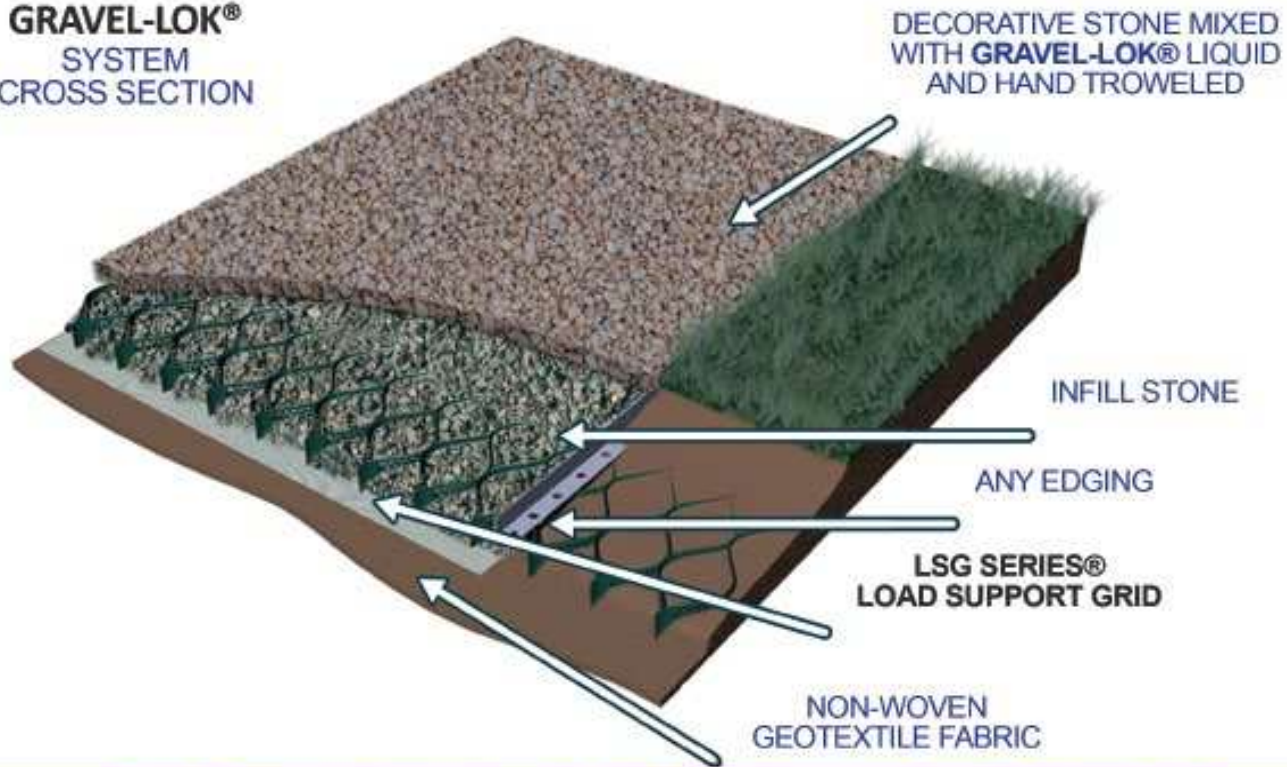
## TIPS FOR STONE SELECTION WITH Gravel-Lok

- STONES MUST BE CLEAN AND DRY.
- AVOID DUSTY OR DIRTY STONES, LIMESTONES, CRUSH & RUN, STONE DUST AND DECOMPOSED GRANITE.
- GRAVEL-LOK CAN BOND TOGETHER SMALL (1/8") UP TO LARGE (2.5") STONES.
- ADA COMPLIANT WHEN USING STONES 1/8" UP TO 1/2".
- **NOT ALL STONES ARE SUITABLE FOR GRAVEL-LOK**, IT IS RECOMMENDED TO CREATE TEST SAMPLES PRIOR TO INSTALLATION.





## GRAVEL-LOK® SYSTEM CROSS SECTION



STEP BY STEP INSTALLATION INSTRUCTIONS ON BACK PAGE.

## IMPORTANT INFORMATION

In most cases, mixing 20 oz. – 24 oz. of liquid in a clean, dry, 5 gallon bucket of stones is ideal.

**Important:** A plastic 5 gallon bucket is considered "full" when the contents are filled 2" below the top of the bucket. Do not completely fill the bucket to the top with stones, fill to the "5 gallon mark".

Our directions, included on every container, recommend a test to determine the correct mixing ratio because some stones absorb a little liquid during the mixing process:

Starting with a ratio of 20 oz. of liquid to 1 five gallon bucket of stone, mix the liquid with the stones and spread out at 1-1/2" thick on a piece of cardboard or wood. Allow to rest for 10-15 minutes. Remove gravel. If the liquid has dripped onto the cardboard or wood then the mixing ratio is correct. If you do not see any liquid on the cardboard or wood then repeat the process using 22 oz. of liquid. Again, if you do not see any liquid on the cardboard or wood then repeat the process using 24 oz. of liquid.

**NOTE:** If you are using stones which are very small (1/8") then more liquid could be required. If you are using stones that are larger than 1/2", then less liquid may be required. Gravel-Lok can only be used with stones between 1/8" and 2-1/2".

Coverage Rates if test proves ratio of 20 oz. liquid : 5 gallon bucket of stones (based on using 1/4", 3/8", and 1/2" size stone)

- At 1" thick: 186 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 1" thick (or 37.2 sf / gallon)
- At 1.5" thick: 124 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 1.5" thick (or 24.8 sf / gallon)
- At 2" thick: 93 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 2" thick (or 18.6 sf / gallon)

Coverage Rates if test proves ratio of 24 oz. liquid : 5 gallon bucket of stones

- At 1" thick: 144 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 1" thick (or 28.8 sf / gallon)
- At 1.5" thick: 96 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 1.5" thick (or 19.2 sf / gallon)
- At 2" thick: 72 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 2" thick (or 14.4 sf / gallon)

**Read MSDS (now known as SDS) and follow all safety instructions including use of proper eye, skin, and respiratory protection.** It is highly recommended you make test samples before starting any job to see the effect of the liquid on the stones. Properly grade subgrade to allow water to flow away from any structures. Add drainage if necessary. Install moisture barrier if project meets a foundation with a basement. Geotextile fabric must separate aggregates from subgrade and soils on all sides of the project. All aggregates must be very clean, completely dry and free from any fine particles or dirt. The cleaner the stone, the stronger the bond. Store Gravel-Lok at 68 degrees or above until ready to use. Do not install if rain is expected within 12 hours. Do not cover with plastic. This will trap in moisture and cause premature curing. Install when outdoor temperature is 50 degrees or above and will not drop below 50 for at least 12 hours. Allow 24 hours to cure. Rope off treated area to protect it from people and animals. Keep out of reach of children.





## STEP BY STEP INSTALLATION - MIX METHOD

Call for details regarding alternate pour method. Do not use a sprayer.

Excavate Job Site



Install Geotextile Fabric



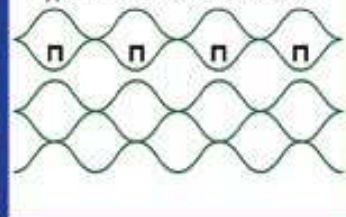
Install Stabilizer Grid



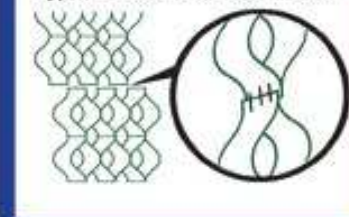
Connect Multiple Stabilizer Grids Using One Of The Following Stapling Methods



Type 1 - Cell Wall Connection



Type 2 - Weld End Connection



Infill Grid With  
3/4" Washed Aggregates



Spread, Level & Tamp



Install Edge Restraint



Wash Stones And Allow To Completely Dry.  
Mix Stones With Gravel-Lok In A Cement Mixer Or Wheelbarrow



Pour Out In One Small Area



Level And Trowel To Finish



Allow 24 Hours To Cure



Apply Roller Coat



# Gravel-Lok<sup>®</sup>

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