



'POUR' METHOD INSTALLATION

Although we call it the “pour” method, the application technique requires sprinkling the Gravel-Lok liquid onto clean, dry pebbles.



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There are two ways to install Gravel-Lok: mix method OR pour method. Both are described on the rear label of every container. The 'mix' method yields the best bond because every side of every stone is coated with liquid. Where one stone touches another stone, a bond is present. Some customers choose the 'pour' method because their stones are already in place or the job is very large. It is very important to note that the product must be 'sprinkled' on with a watering can or gravity wand. It cannot be poured straight from a bucket. Too much liquid causes foaming to occur. It cannot be sprayed, as it is too thick.

This presentation is about the 'pour' method only.



Wear protection during any installation



PRECAUTIONARY STATEMENTS

HANDLING & STORAGE

Handling: Do not breathe the mist, vapors or spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. In case of inadequate ventilation wear respiratory protection. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

Storage: Store in tightly closed containers in cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.
Storage Temperature: 60°F - 90°F (15.6°C - 32.2°C).

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Wear a face shield and chemical safety glasses or goggles.

Skin Protection: Wear impervious gloves. Cover exposed skin.

Respiratory Protection: For airborne exposure above the exposure limit(s), wear a NIOSH approved air-purifying respirator equipped with organic vapor cartridges. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator.

There are two ways to sprinkle the liquid onto the clean, dry pebbles.

OPTION 1: Watering Can



OPTION 2: Gravity Wand



OPTION 1: Watering Can

Spread out clean, dry stone, trowel to level and tamp. (Stones can be washed in place and allowed to dry.)

Using a plastic watering can, sprinkle the liquid onto the stones. Enlarge holes in spout if necessary. If you see foaming, it is a sign that too much liquid is being used. Crush foam and reduce quantity being applied. This method may require two separate pours*, allowing 24 hours to cure between each application. Allow 24 hours to cure before walking on surface. Then, apply 1 – 3 roll coats depending on desired durability. Use a medium sized paint roller. Allow 24 hours cure time in between roll coats. The goal is to build up layers of the bonding agent.



Watering Can Coverage Rate:

90 – 100 SF per five gallon container or 18 – 20 SF per one gallon container.

Roll Coat Coverage Rate: 450 SF per five gallon container or 90 SF per one gallon container

*Coverage rate for two 'light' pours is approximately 70 SF per five gallon container.

STREAKING



When applying Gravel-Lok with a watering can it can be difficult to regulate the flow. Keep it moving and sprinkle lightly. See photo below that shows “streaking” as a result of applying too much liquid in certain areas.



If too much liquid is applied, foaming will occur. In some cases, you can crush the foam with a brush. This must be done immediately and will only work if there is a small amount of foaming.



OPTION 2: Gravity Wand

Spread out clean, dry stone, trowel to level and tamp. (Stones can be washed in place and allowed to dry.)

Using a gravity wand, sprinkle the liquid onto the stones. If you see foaming, it is a sign that too much liquid is being used. Crush foam and reduce quantity being applied. This method may require two separate pours*, allowing 24 hours to cure between each application. Allow 24 hours to cure before walking on surface. Then, apply 1 – 3 roll coats depending on desired durability. Use a medium sized paint roller. Allow 24 hours cure time in between roll coats. The goal is to build up layers of the bonding agent.

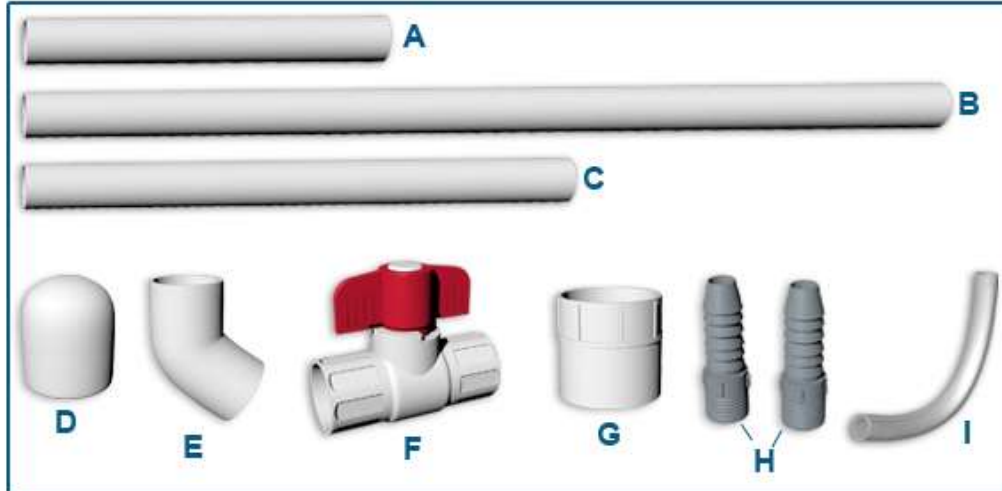


Gravity Wand Coverage Rate: 90 – 100 SF per five gallon container or 18 – 20 SF per one gallon container.

Roll Coat Coverage Rate: 450 SF per five gallon container or 90 SF per one gallon container

*Coverage rate for two 'light' pours is approximately 70 SF per five gallon container.

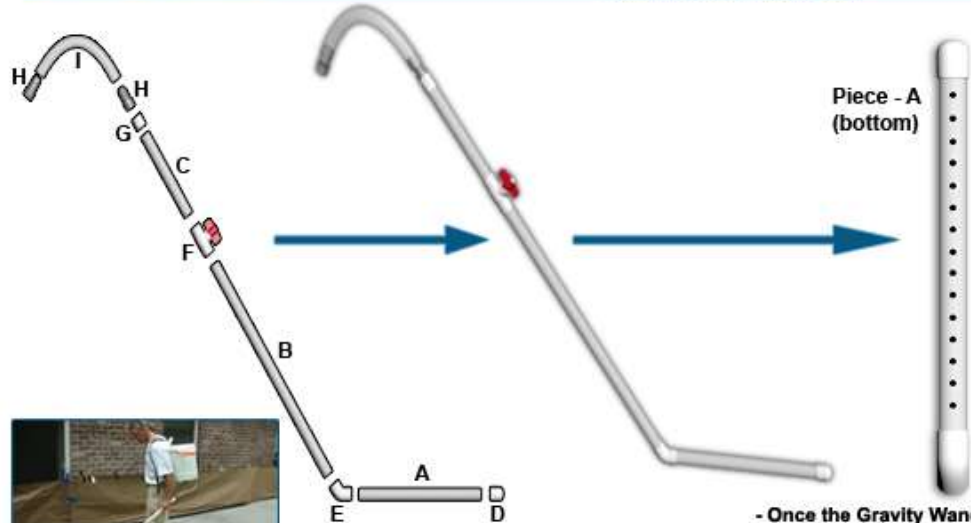
INSTRUCTIONS ON HOW TO CREATE YOUR OWN **Gravel-Lok** GRAVITY WAND
AGGREGATE BONDING SYSTEM



- A - 14" long piece of 3/4" diameter PVC pipe
 - B - 23.5" long piece of 3/4" diameter PVC pipe
 - C - 9" long piece of 3/4" diameter PVC pipe
 - D - PVC end cap
 - E - PVC 45 degree piece
 - F - 3/4" diameter valve
 - G - Coupler with 3/4" thread
 - H - 3/4" thread to 3/4" hose connection (2 pcs)
 - I - 3/4" diameter hose
- * Length of hose depends upon the distance between the container and the wand.

We sell Gravity Wands and Backpacks.

Or, you can make your own Gravity Wand. (Contact us at 410-721-4844 for a copy of the instructions.)



- Once the Gravity Wand is assembled drill 1/8" diameter holes in bottom of piece A, no more than 24 holes, spaced about 1/2" apart.

The container that holds the Gravel-Lok liquid needs to be elevated higher than the wand since the flow is achieved by gravity only.



Put the container in our special backpack, or carefully rest the container on top of a ladder.



Create one 'master bucket' connected via hose to Gravity Wand and refill it as needed. Turn bucket upside down. Cut flap in top (formerly the bottom) to allow air in and to refill.



TIP: When using the gravity wand, it's hard to control coverage in tight spaces and borders. For these areas, use a watering can. Continue with Gravity Wand for the larger areas.

