



Gravel-Lok[®] Coverage Rates

Gravel-Lok[®]
POROUS STONE PAVING

MIX METHOD COVERAGE RATES



In most cases, mixing **20 oz. – 24 oz.** of liquid in a clean, dry, 5 gallon bucket filled with 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 2.0” thick: 93 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 2” thick (or 18.6 sf / gallon)**

If you perform the test described above and end up using the mix ratio of 24 oz. liquid : 5 gallon bucket of stones, then the coverage rates would be:

- 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 2.0” thick: 72 sf / 5 gallon container of Gravel-Lok liquid when mixing and troweling at 2” thick (or 14.4 sf / gallon)

QUESTIONS? CALL Cell-Tek 410-721-4844.



POUR METHOD COVERAGE RATES

The pour method involves sprinkling the liquid onto the stones using a plastic watering pail or gravity wand for larger jobs.

Ideally, total system depth of permeable stones needs to be at least 5” deep, this can include base / foundation materials as long as they are permeable.

In other words, you could have 1 – 2” of decorative stone on top and 3 – 4” of a different stone below it to serve as the base/foundation. This depth of at least 5” allows the liquid to drip down due to gravity during the curing process, without the risk of puddling and ultimately foaming.

If stones are too shallow (less than 5” in depth) then there is a definite risk of puddling and foaming. If your system depth is less than 5” please call for advice about proper installation techniques. You may still be able to use a modified pour method. For example, in order to properly bond the stones without causing foaming you may have to apply two “light” pours.

Typical coverage rate is 90 – 100 SF per five gallon container of Gravel-Lok liquid (18 – 20 sf per gallon).

Two “light” pours would create a stronger bond. Allow first pour to cure before applying second pour. **Coverage rate for two light pours is about 70 SF per five gallon container (14 SF per gallon).**

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ROLL COAT AND ADDITIONAL NOTES

Whether you use the MIX or POUR method, the application of a “roll coat” is highly recommended after the installation has cured (24 hours).

Use a medium nap, foam paint roller. Be careful to not overapply the roll coat. Any crevice where the liquid can pool up will become white and foamy.

Coverage rate for a roll coat is 400 – 500 sf / five gallon container (80 – 100 sf per gallon). Additional roll coats create an even stronger bond.

NOTES AND TIPS:

- Gravel-Lok can only be used with clean, washed, and completely dry stones between 1/8” and 2-1/2”.
- ADA Compliance – use stones which are 1/8” up to 1/2” to create a smooth pavement for wheelchairs.
- NOTE: There are 128 oz. in a gallon and 640 oz. in five gallons.

Handy Gravel Calculator:

At 1” thick, ½ ton of stone will cover 100 sf

At 2” thick, 1 ton of stone will cover 100 sf



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