

Gravel-Lok Coverage Rates - June 2017

MIX method

In most cases, mixing **20 oz. - 24 oz.** of liquid with a 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.

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.

Coverage Rates for 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 (37.2 sf / gallon)

At 1.5" thick: 124 sf / 5 gallon container (24.8 sf / gallon)

At 2.0" thick: 93 sf / 5 gallon container (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 (28.8 sf / gallon)

At 1.5" thick: 96 sf / 5 gallon container (19.2 sf / gallon)

At 2.0" thick: 72 sf / 5 gallon container (14.4 sf / gallon)

POUR method

The pour method actually involves sprinkling the liquid onto the stones using a plastic watering pail or gravity wand for larger jobs. Stones need to be at least 2-1/2" deep. **Typical coverage rate is 90 - 100 SF per five gallon container (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).**

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. 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

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, 1/2 ton of stone will cover 100 sf

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