

Using Technisoil Pathway Stabilizer

- Prepare your sub-base

Plan out the area you want to make your pathway. Determine your pathways finished height and measure its dimensions and prepare your material lists. Technisoil will average 11.25 sq.ft. per gallon over 2 the two applications required to make a strong pathway. Gravel will cover about 140 sq.ft. per cubic yard at a depth of 2 inches after compaction.

With Tucson's hard top soil, some sites may not need much preparation. If your site has sandy soil, a compacted sub base will provide a stronger, longer lasting pathway.

To create a strong sub-base for your pathway, spread ABCM or Crushed Fines at a depth of 3-4" over the area ([Picture 1](#)). You may have to remove dirt before adding ABCM depending on the intended final height of the pathway. Lightly dampen the sub-base material and compact until firm ([Picture 2](#)). This may take several passes.

- Prepare your base

It is important to pick an appropriate aggregate to use with Technisoil. The rock needs to contain about 50% fines. Evenly graded rock and stone will not work because there is no fine grained aggregate to fill in the spaces between the rocks.

Acceptable base aggregate includes:

- 3/8" Decomposed Granite Cactus Soil
- 3/8" Crushed Fines
- 1/2" crushed limestone with fines

Spread a 2" layer of crushed rock and fines or decomposed granite evenly over the pathway area ([Picture 3](#)).

Technisoil is absorbed better in moist materials. Pre-moisten your base material if it's dry ([Picture 4](#)). Allow 60-90 minutes for the water to fully absorb. A second wetting prior to application may be necessary in hot weather.

- Applying Technisoil (First Coat)

DO NOT compact your base prior to the first application of Technisoil. The liquid will not penetrate properly.

The first application is intended to saturate the base material prior to compaction. Coverage for the first application is 15 sq.ft. per gallon. It will provide the majority of the materials final stiffness. Technisoil G3 Pathway Stabilizer can be applied with a garden watering can but a pump sprayer is preferable because it is easier to apply consistently ([Picture 5](#)).

- Compact your pathway

Immediately after applying the first coating of Technisoil, make several passes over your Technisoil saturated base using a vibrating plate compactor ([Picture 6](#)). The more compacted the base is, the stronger your pathway will be.

WAIT 6-24 hours to allow the stabilizer to cure before applying the 2nd coat of Technisoil.

- Apply final coat of Technisoil

After waiting 6-24 hours after the pathway was compacted, apply a final top coat of Technisoil at a rate of 45 sq.ft. per gallon ([Picture 7](#)). The second application of Technisoil is to solidify the top surface of your pathway and improve its durability under traffic. The pathway should not require any more compaction after this 2nd and final coating.

