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# StaLok®

## PAVING MATERIALS

StaLok® Paving Material for trails, pathways, and patios



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## Materials

### StaLok Paving Material

StaLok Paving Material is natural aggregate soil enhanced with polymer. Using patented materials and a one-of-a kind manufacturing process, a unique surface is created. A surface that is still natural soil, just enhanced. The soil's strength is increased and equal to that of asphalt, while still retaining flexibility. Typically, 1-ton of material covers 100-sqft at a 2" depth.



*StaLok Paving Material is available in bulk or 2000-lb sacks.*



*Water shedding off of compacted surface.*

### Crushed Aggregate

StaLok Paving Material is comprised of a naturally occurring crushed aggregate coated with a polymer that is blended only at manufacturing locations in a patented process.

### Preparation

StaLok Paving Material requires a 3" compacted layer of your state's DOT recommended crushed granular road base. Pre-soak the base material with water and compact to 95% prior to installing StaLok Paving Material. It is recommended to have proper drainage available to ensure no standing water on surface or adjacent to StaLok Paving Material, including downspouts when placed under roof overhang.

Please consult the company if installing on a slope.



*Compaction of wet granular base*

### Installing StaLok Paving Material

Place the StaLok Paving Material on the prepared base, and rake smooth to desired grade and cross section. Place material to sufficient depth to allow a minimum of 2" to a maximum of 3" depth after compaction. Avoid installing StaLok Paving Material during rainy conditions. Avoid installing StaLok Paving Material below 30°F. StaLok Paving Material may form clods during

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transport below 60°F. Large clods may be broken apart with machinery such as front loader, or on their own if left to warm in sun. Small clods will break apart during placement and compaction. For drainage off of surface crown StaLok Paving Material. Slope material to edge ¼" per foot. Pockets of large aggregate may develop, inspect surface and evenly spread any 1/4" or 3/8" loose rock.

#### *Machine Application*



#### *Hand Application*



## Compaction

Compaction can be achieved by a 1 to 5-ton double-drum roller.

Lightly compact making one pass.

Make any grade adjustments and add material as needed.

Heavily compact material making 8 to 10-passes. Avoid turning roller on material.

Use plate compactor on edges and hard to get areas. If near wall, hand tamp may be necessary.

Loose material should not be present on final surface.

No set up or curing time is needed.



*Lightly compact, add more material where needed, level and heavily compact*

## INSPECTION

Finished surface should be uniform and solid, with no evidence of chipping or cracking. Compacted paving material should be firm to full depth with no soft areas. Loose material should not be present on the surface and no ruts. Compaction may increase with time and use.

## MAINTENANCE

Remove debris, such as paper, grass clippings, leaves or other organic material by mechanically blowing or hand raking the surface as needed. Any plowing program required during winter months shall involve the use of a rubber baffle on the plow blade or wheels on the plow that lifts the blade 1/4" off the paving surface.

## REPAIRS

Excavate damaged area to the depth of the StaLok Paving Material and square-off sidewalls. If area is dry, moisten damaged portion lightly and scarify. Apply pre-blended StaLok Paving Material to excavated area to finish grade. Compact with an 8" to 10" hand tamp or 1000-lb Roller.



## References



**Mission of San Juan Capistrano**



**Offices of Will Bruder and Associates**



**Arizona State University 'Old Main'**

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