

RED RIVER

Hardscapes

Whether your design is simple or ornate, random or formal, the secret to a great installation is in the base. Follow these simple steps to a new experience in outdoor living.

Please contact your landscape designer for information on vehicular applications.

Excavate the Base

- Excavate an area nine inches deep and 10 to 12 inches outside the boundaries of the desired installation area.
- Compact the soil with a 3000-5000 PSI plate compactor.

Install a Geotextile

- Lay geotextile throughout the excavated area allowing it to “climb up” the sides. Cut the edges to fit the area and overlap a minimum of six inches when covering large areas.



Install, Compact and Level the Base Material

- Fill excavated area with crushed aggregate (Road base, crusher-run, crush-and-run, CR16, etc.). Aggregate should have a minimum of 1% slope away from structures.
- Compact in three inch lifts.
- Surface should be as smooth as possible.
- The depth of stone should be six inches. Vehicular rated depths are eight inches or more.

Install a Paver Restraint

- Use a recommended polyethylene edge restraint with steel spikes in areas where the pavers will not be firmly fixed to the side of another structure (ie. house, wall, etc.).
- Follow the edge restraint manufacturer's installation recommendations.
- Drive the steel spikes into the aggregate area outside the paver area, not soil.

Level Aggregates and Screed a Sand Layer

- Pour a one-inch layer of coarse concrete sand on top of the leveled and compacted aggregate. Do not use fine play sand.
- Do not compact the sand. Use a board and one inch diameter pipes to screed sand smooth.

Lay Pavers

- Begin setting pavers on the sand at the lowest point of the area (if there is a slope) or at a single-corner starting point. Walk on the pavers as you lay them, not on the screeded sand.
- Fill the area with an interlocking pattern up to the edge of the restraint.
- Cut outer edge pavers to fit snugly into the area. A soldier course of pavers is recommended.

Compact Pavers

- Compaction of pavers with the plate compactor will help level any uneven spots and assist in the interlock and strengthening of the paver area.
- Move compactor in a linear direction across the paver area to the outer edges.



Image Courtesy of Snap Edge Corporation

Sweep Joint Sand into the Pavers

- Push dry, well-graded sand into the slim gaps between the pavers.
- Polymeric and organic sands may be used instead of natural sands. A joint sand stabilizer is recommended when using natural sand.

Compact Pavers, Again

- Use the plate compactor to further settle the joint sand.
- Continue to add sand until the joints are filled and sweep off any excess.

Apply a Sealer (Recommended)

- Red River recommends sealers for a variety of looks and protection.
- Sealers may also contain joint sand stabilizers that will help preserve the sand.

Red River Hardscapes is your one-stop source for completing your hardscape project.

We supply:

- Base Materials
- Polymeric Sand
- Geotextile Fabric
- Edge Restraints and Spikes
- Masonry Cleaners
- Sealants
- Reinforcement Grids
- Paver Lights

Your Path To Beautiful Spaces