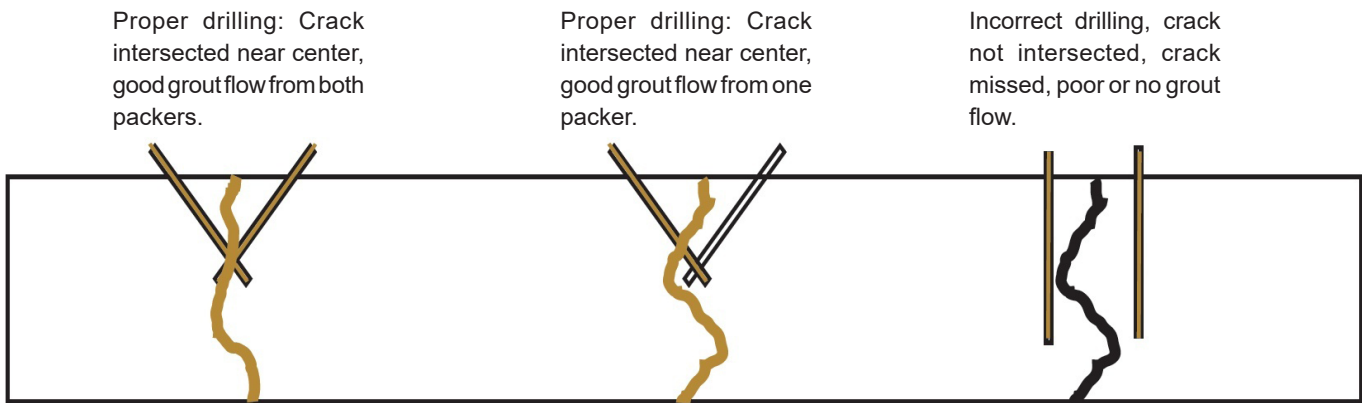


Drill holes should typically be drilled at a 45° angle toward the crack. The distance from the crack to the drill hole should be approximately one-half of the wall thickness.

For example, when injecting a 12-inch-thick wall, the holes should be drilled approximately 6 inches from the surface of the crack.

Drilling at an angle allows the injection grout to intersect the crack closer to the center of the wall, enabling the grout to travel in both directions along the crack. This improves penetration and helps achieve a more complete seal.

Drilling straight into the concrete is generally not recommended because it increases the risk of missing the crack entirely. If the crack is missed, the grout may not enter the crack properly and will have difficulty flowing into the intended injection area.



Example:

For a 12" thick wall, drill injection packer holes in a staggered pattern on alternating sides of the crack. Position the holes approximately 6" from the crack and drill at a 45° angle toward the crack.

Injection Sequence

Start at the bottom of the crack and inject upward.

For horizontal cracks, inject from the dry side toward the wet side.

