



Sand Sealant/Multi-Seal™

Combination Slurry Fluid Loss Mixture

Description:

By combining two fluid loss additives together a solution was developed for controlling slurry fluid loss in Drilled Shafts. Sand Sealant™ a specially blended dry powdered mineral and Multi-Seal a dry select blend of four types of materials a flake material, a granular material, a fine fibrous material, and course fibers used for fluid loss control. Sand Sealant/Multi-Seal™ added to a hole filled with Shore Pac® slurry reduces slurry seepage into saturated open porous permeable cobbles sands & gravels.

Sand Sealant/Multi-Seal™ recipe is mixed next to the drilled shaft in proportions listed below to assure maximum effectiveness as a plugging agent. Sand Sealant/Multi-Seal™ is designed to hold drilled shafts open over-night preventing slurry fluid loss. A powdered solid, Sand Sealant™ and Multi-Seal a dry blend of four types of materials, is highly recommended as an additive to Shore Pac® when drilling in gravel, cobbles and loose saturated sands.

Recommended Use:

Unconsolidated or highly permeable formations, natural fractures or vugs, induced or created fractures, and of coarse the cavernous types that are the most troublesome and expensive loss zones. Sand Sealant/Multi-Seal™ is added to the base Shore Pac® drilling slurry to increase excavation stability by controlling fluid loss in cobbles, gravel and sand formations.

Advantages:

- Assists holding excavations open for extended periods.
- Will not change skin friction qualities of Shore Pac® slurry.
- Does not interfere with natural gravity settling of solids.
- Works in saltwater as well as fresh water conditions.
- Reduces fluid seepage in porous granular soils.

Characteristics:

Appearance: Sand Sealant gray powder. Multi-Seal dry reddish fibrous blend.

Mixing and Application:

Equipment Needed: 32-gallon Heavy Duty Plastic Trash Can, ½-inch drill with long mud mixer drill bit, electric power cord to reach hole. (Set-Up and mix directly next to the hole.) (1.) 1st add 30 gallons water or slurry into 32-gallon trash can, (2.) next add ½ bag Sand Sealant and begin to mix, (3.) now add ½ bag Multi-Seal and continue to mix with a ½" drill and long mud mixer bit until you have a thick oatmeal consistency then pour entire mix into hole in one slug with drill tool out of the hole. Continue drilling. Add immediately when experiencing fluid loss.

Packaging:

Sand Sealant™ is available in 50 lb bags, 50 bags per pallet. Multi-Seal is in 40 lb bags 60 per pallet. Each sold separately.