

FACT SHEET



NATIVE SLURRY BACKFILL (NSB)

QUICK FACTS

100-600 cyd per day

Upto 50% cost savings

Recycles / reuses native soils

50 - 1000 psi UCS

Fast set times

Easy Placement Options

Self Compacting

Eliminates off-haul

Mitigates contaminated soil



NATIVE SLURRY BACKFILL is a predictable and precise structural backfill material that uses native on-site material mixed with cement and water to create a performance backfill

Native Slurry Backfill (NSB) is a controlled low-strength material (CLSM) utilizing the on-site soils. NSB is a self-compacted, cementitious material primarily used as a structural fill or backfill alternative to compacted soil backfill. It is often referred to by different names including flowable fill, controlled density fill, soil-cement slurry, and unshrinkable fill.

It is self-leveling, having the approximate consistency of pancake batter, and can be placed in one lift with minimal labor and no vibration or tamping. The American Concrete Institute (ACI) and the California Soil Stabilization Association (CSSA) defines these materials as having a compressive strength of less than 1,200 psi, however most current NSB

applications require unconfined compressive strengths between 50-300 psi. This lower strength is comparable with the density of compacted soil backfill, and is engineered to allow for ease during future excavation.

Since NSB is designed to be fluid, it can easily be placed as backfill in a trench, hole or other cavity. Because it requires no compaction the trench width or size of excavation can be reduced. Soil backfill, even if compacted properly in the required layer thicknesses, cannot achieve the efficiency, predictability, and uniformity of NSB. NSB is a viable replacement for costly aggregates and compacted soil and is also a proven mitigation for contaminated soils that typically would require costly treatment and/or removal.

GRIFFIN SOIL
1556 Parkside Drive, Suite 110
Walnut Creek, CA 94596

PHONE
925-862-2260

WEB
www.GriffinSoilGroup.com