

# SMOOTH GROUT 30

## 30%-active-solids slurry grout

### APPLICATIONS

- Sealing and grouting casing
- Sanitary sealing in water-well construction
- Sealing in monitoring wells
- Plugging and abandoning exploration boreholes

### ADVANTAGES

- Is inorganic, nonfermenting, and nontoxic
- Develops lower-solids slurries with up to 30% activity
- Mixes easily with most conventional rig equipment
- Prevents entry of contaminants from the surface
- Extends working time
- Provides structural stability after grout set

### LIMITATIONS

- When used as recommended, there are no limitations imposed on this product.

SMOOTH GROUT 30\* 30%-active-solids slurry grout is designed for use in water wells and monitoring wells, for sealing the annular space around the well casing, and for plugging drilled holes and abandoned wells. The grout contains no organic additives or polymers.

A one-sack formulation of SMOOTH GROUT 30 grout mixes with freshwater to yield a 30% pumpable grouting slurry with an extended working time. When it sets up, the grout develops a satisfactory seal with adequate structural strength and low hydraulic conductivity. When properly placed, the grout remains flexible, rehydratable, and unstratified through heating and cooling cycles.

### Addition method

SMOOTH GROUT 30 grout should be mixed with freshwater to obtain maximum results. A 50-lb [22.7-kg] sack of grout with 14 galUS [53 L] of water makes a 30%-active-solids slurry. The viscosity and consistency of a mixed grout slurry can be modified by adjusting the amount of water used to obtain varying solids content.

1. Using a mixing device, blend one 50-lb [22.7-kg] sack of grout into 14 galUS [53 L] of freshwater.
2. Blend, do not over-mix. The resulting slurry should look like cake batter. Pump through tremie line without delay.

### Toxicity and handling

Bioassay information is available on request. Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the MSDS.

### Packaging and storage

SMOOTH GROUT 30 grout is packaged in 50-lb [22.7-kg], multiwall paper sacks and is available in bulk. Store in a dry location (slip hazard when wet) and minimize dust (use dustless systems for handling, storage, and cleanup). Material can be palletized at either 56 or 70 sacks per pallet. Store in a well-ventilated area away from sources of heat or ignition.



### Typical Physical Properties

Physical appearance	Beige to tan powder
Moisture content	8%
Specific gravity	2.5
pH (8% slurry)	7.0
Slurry density	10 lb/galUS [1.2 kg/L] for 30% solids
Dry bulk density	64 lb/ft <sup>3</sup> [1,025.2 kg/m <sup>3</sup> ]
Screen analysis	75% minimum passing through 200-mesh

### SMOOTH GROUT 30 Grout at Various Solids Content

SMOOTH GROUT 30, lb [kg]	Water, galUS [L]	Solids Content, %	Usable Slurry, galUS [L]	Estimated working time, min
50 [22.7]	14 [3]	30.0	17 [64.4]	30–60
50 [22.7]	15 [56.8]	28.6	18 [68.1]	15–30
50 [22.7]	16 [61]	27.3	19 [72]	5–15