

SMOOTH GROUT 20

20%-active-solids slurry grout

APPLICATIONS

- Sealing and grouting casings
- Sanitary sealing in waterwell construction
- Sealing in monitoring wells
- Plugging abandoned exploration boreholes

ADVANTAGES

- Inorganic, nonfermenting, and nontoxic grout
- Development of lower-solids slurries up to 20% total active solids
- Easy one-sack mixing
- Mixed and handled with most conventional rig equipment
- Entry of surface contaminants prevented
- Extended working time controlled by grout-solids content
- Firm texture for structural stability after grout is set

LIMITATIONS

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

SMOOTH GROUT 20* 20%-active-solids slurry grout is designed for use in water wells and monitoring wells, for sealing the annular space around a well casing, and for plugging drilled holes and abandoned wells. This grout does not contain any organic additives or polymers.



The grout, a single-sack formulation, mixes with freshwater to yield a 20% pumpable grouting slurry with an extended working time. When set up, the SMOOTH GROUT 20 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 20 grout should be mixed with freshwater to obtain maximum results. The recommended mixing rate is a 50-lb [22.7-kg] sack of grout with 24 galUS [90.8 L] of water to make a 20%-active-solids slurry. The viscosity and consistency of 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 24 galUS [90.8 L] of freshwater.
2. Blend and do not over-mix. The resulting slurry should look like cake batter, containing partially yielded bentonite. This pumpable slurry contains 20% solids. Pump into hole 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 20 grout is packaged in 50-lb [22.7-kg], heavy-duty, multiwall, waterproof sacks. Store in a cool, dry place away from sources of heat or ignition, and minimize dust.

Typical Physical Properties

Physical appearance	Beige to tan powder
Moisture content	8%
Specific gravity	2.5
pH (8% slurry)	7
Slurry density	9.4 lb/galUS [1.1 kg/L] for 20% solids
Dry bulk density	60 lb/ft ³ [961.1 kg/m ³]
Screen analysis	75% minimum passing through 200-mesh

SMOOTH GROUT 20 Grout at Various Solids Content

SMOOTH GROUT 20, lb [kg]	Water, galUS [L]	Solids content, %	Usable slurry, galUS [L]	Estimated working time, min
50 [22.7]	30 [113.6]	16.7	33 [124.9]	30–60
50 [22.7]	27 [102.2]	18.2	30 [113.6]	15–30
50 [22.7]	24 [90.8]	20.0	27 [102.2]	5–15