

BH20 | 20.0% Solids

PRODUCT SUBMITTAL INFORMATION

PRODUCT MANUFACTURER & DESCRIPTION

BH20 is manufactured, distributed and supported by GeoPro, Inc.

When supplied by GeoPro and mixed according to our specifications, this BH20 recipe will yield a bentonite-based grout that provides an environmental seal in the bore annulus with the engineering properties described.

PRODUCT PERFORMANCE & TECHNICAL DATA

This product complies with IGSHPA's Closed-Loop Design and Installation Standards which require:

- Permeability less than 1.0×10^{-7} cm/s per ASTM D-5084
- Compliance with NSF/ANSI Standard 60 requirements for purity and suitability for contact with drinking water.

BH20 is designed for use in borehole sealing applications as well as geothermal applications where non-thermally enhanced grouting products are acceptable. BH20 is not intended for use with additives (such as PowerTEC or silica sand) to form a thermal grout.

Properties and associated certifications are independently verified by a third party laboratory. Copies of independent test reports are available upon request.

FIELD QUALITY CONTROL

When using BH20, GeoPro strongly recommends a field quality control process consisting of the submission of material usage reports.

Material usage reports are available for download on our website. Contact us for more information.

BATCH RECIPE

BH20	1	bag
Fresh Water*	24.0	gal
Yield	26.7	gal

*Mix water must be suitable for human consumption

GROUT PROPERTIES

Percent Solids	20.0	by weight
Permeability	$<1 \times 10^{-7}$	cm/s
Density	9.4	lb/gal
Percent Active Solids	20.0	by weight

MIXING INSTRUCTIONS

1. Fill conventional paddle mixer with 24.0 gal of fresh water (according to mix table). *Accurate mix water volume measurements are critical.*
2. Start mixer and add 1 bag of BH20 and mix until uniform (approx. 2-3 minutes).
3. Pump with a positive displacement pump (piston pump recommended) through a 1-¼ in tremie pipe.

PACKAGING INFORMATION

BH20 is packaged in 50 lb bags with 54 bags per heat shrunk pallet.