

KWIK PLUG MEDIUM

Bentonite sealing agent

APPLICATIONS

- Environmental monitoring of wells
- Sealing outside casing annulus
- Plugging decommissioned boreholes
- Sealing lost-circulation zones
- Sealing above gravel packs

ADVANTAGES

- Prevents entry of surface water into boreholes
- Forms a permanent, flexible, downhole seal
- Allows hole re-entry
- Eliminates mixing expense
- Is more cost effective compared to pelletized bentonite

LIMITATIONS

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

The KWIK PLUG MEDIUM* bentonite sealing agent is screen-sized bentonite composed of a naturally-occurring clay which is used to seal and plug earthen boreholes.

KWIK PLUG* bentonite sealing agents will travel through water standing in the hole and reach the bottom of the hole with minimum hydration or swelling. The annular space can be completely filled, and bridging of the particles in the upper portion of the hole minimized. It is necessary for the annular space to be completely filled to form an effective, long-term plug. The sealing agent is available in two sizes: 3/4-in [19.1-mm] size and 3/8-in [9.5-mm] size. The size of the open annular space will determine which size should be used. When the annular space is 1 1/2 in [38.1 mm] or more, KWIK PLUG MEDIUM agent is recommended. When the annular space is 3/4 in or more, the other size is recommended.



Toxicity and handling

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

Packaging and storage

KWIK PLUG agents are packaged in 50-lb [22.7-kg] heavy-duty multiwall waterproof sacks and various sized super sacks. Store in a cool, dry place.

Typical Physical Properties

Physical appearance	Beige to tan powder
Specific gravity	2.5–2.6
Permeability of resulting plug	1 × 10 ⁻⁹ cm/s
Moisture	15%
Bulk density 3/4-in agent	68 lb/ft ³ [1,089.2 kg ³]
Bulk density 3/8-in agent	64 lb/ft ³ [1,025.2 kg ³]