

# KWIK-PLUG

## Medium & Coarse

The KWIK-PLUG\* MEDIUM & COARSE products are screen-sized bentonite composed of a naturally-occurring clay which is used to seal and plug earthen boreholes.

KWIK-PLUG material 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. The annular space being completely filled is necessary to form an effective, long-term plug. KWIK-PLUG material is available in two sizes: KWIK-PLUG COARSE (¾-in. [19.1-mm]) size and KWIK-PLUG MEDIUM (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 ¾-in. (19.1-mm) or more, KWIK-PLUG MEDIUM material is recommended. When the annular space is 1½ in. (38.1 mm) or more, KWIK-PLUG COARSE material is recommended.

### Typical Physical Properties

Physical appearance .....	Beige to tan powder
Specific gravity .....	2.5–2.6
Permeability of resulting plug .....	1 x 10 <sup>-9</sup> cm/sec.
Moisture.....	15%
Bulk density KWIK-PLUG MEDIUM .....	68 lb/ft <sup>3</sup> (1,089.2 kg <sup>3</sup> )
Bulk density KWIK-PLUG COARSE .....	64 lb/ft <sup>3</sup> (1,025.2 kg <sup>3</sup> )

### Applications

- Environmental monitoring 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
- Easy to apply, no mixing expense
- More cost effective compared to pelletized bentonite

### Limitations

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

### Toxicity and Handling

Bioassay information available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Material Safety Data Sheets (MSDS).

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### **Packaging and Storage**

Kwik-Plug material is packaged in 50-lb (22.7-kg), heavy-duty, multi-wall, waterproof sacks and various sized super sacks.

Store in a cool, dry place.



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