



# DIAMOND SEAL™

THE *Original* DRILLING FLUIDS COMPANY.

## Absorbent Polymer for Lost Circulation

**Description** DIAMOND SEAL is a water-swellable but not water-soluble, 100% crystalline synthetic polymer. DIAMOND SEAL absorbs hundreds of times its own weight in water. It is intended for use primarily as a lost circulation material for horizontal directional drilling.

**Applications/Functions**

- Lost circulation material for horizontal directional drilling
- Prevent inadvertent returns in river crossing applications
- Stabilize borehole in cobble and gravel
- Stabilize unconsolidated formations

**Advantages**

- Rapid water absorption
- Effective in mitigating lost circulation
- Economical – small quantity yields large volume
- Easy to use
- Non-fermenting

**Typical Properties**

• Appearance	off-white free-flowing crystals
• Specific gravity	0.75
• Dry screen analysis	96% through 5 mesh (4.0 mm)
• Swelling capacity in fresh water	3.5 ft <sup>3</sup> /lb (0.22 m <sup>3</sup> /kg)

**Recommended Treatment**

**For slug treatment:**

- Add 1/2 to 1 pound (0.23-0.5 kg) DIAMOND SEAL per joint

**As a pill:**

- Add 2 to 4 pails of DIAMOND SEAL per 100 gallons of drilling fluid
- Add 5 to 10 pails of DIAMOND SEAL per cubic meter of drilling fluid.

**Packaging** DIAMOND SEAL is packaged in 10-lb (4.5-kg) resealable plastic containers.

**Availability** DIAMOND SEAL can be purchased through any Baroid Industrial Drilling Products Distributor. To locate the Baroid IDP distributor nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

**Baroid Industrial Drilling Products**

**A Product and Service Line of Halliburton Energy Services, Inc.**

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<b>Customer Service</b>	(800) 735-6075 Toll Free	(281) 871-4612
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