

# DIAMOND SEAL®



**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 HDD operations.**

## Functions

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

## Advantages

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

<b>As a pill</b>	Add DIAMOND SEAL at 12 - 24 kg/m <sup>3</sup> of drilling fluid.
<b>Treatment for loss of circulation</b>	Prior to pumping, remove all inline screens in circulation system. Add the following to existing drilling fluid and displace: N-SEAL: 3.5 - 6 kg/m <sup>3</sup> DIAMOND SEAL: 12 - 24 kg/m <sup>3</sup>

