THE DRILLING DEPOT™

For MSDS see www.di-corp.com

PRODUCT DATA
Plugz-It® & Plugz-It® Max
Lost Circulation Material

Description

Plugz-It® restores lost circulation when it is mixed with a drilling fluid, then pumped into cobble, gravel or fractured zones. **Plugz-It®** is environmentally safe and non-toxic.

Application

Plugz-It® is used in most drilling industries, particularly vertical drilling and horizontal directional drilling (HDD).

Function

Plugz-It® readily seals off coarse gravels, fractured formations and other profiles in fresh water systems where mud loss is a problem.

Mixing

To apply **Plugz-It®** or **Plugz-It® Max** as a pill,

1. In a separate pill tank, mix *Extra High Yield®* or *Tru-Bore®* to a Marsh Funnel viscosity of 45 to 65 seconds.
2. Add **Plugz-It®** at a rate of 20 to 40 lb per 100 gal. Mix in small batches, 50 to 100 gal at a time.
3. Add **Plugz-It®** slowly into the pill tank and circulate for 1 to 2 minutes. Once the appropriate quantity is added, quickly pump from the pill tank into place. Pull the drill steel back slowly, as the mixture is pumped into the loss zone.
4. Keep pump pressure elevated while pumping to ensure **Plugz-It®** is squeezed into fractured or unconsolidated zones.
5. Once all the material is in place, pull back 5 to 10 ft and continue to pump in order to purge the drill string.
6. Once in place, let **Plugz-It®** set for 20 to 30 minutes – allowing for complete hydration and swelling to occur – before restoring circulation.
7. Advance back into the hole slowly, circulating and using low pump pressure as drilling progresses. If mud loss is still a problem, repeat this process.

To prevent mild mud loss during drilling or back-reaming, mix 15-20 lb of **Plugz-It®** per 100 gal of drilling fluid through the mixing hopper in the standard mud tank.

Plugz-It® can be placed directly through the jets in the bit provided they are a minimum of 3 mm or 1/8” in size**.**

WHMIS: Controlled (see MSDS)	**TDG:** Not regulated	**Packaging:** 30 lb multi-wall paper sack and is available in bulk

Physical properties and bioassay information are available on request.

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