

AMC PLUG™

Lost Circulation Materials

IMDEX™

Description

PLUG™ is a polymer in granular form that absorbs many times its original volume in water. PLUG™ is ideal for sealing zones of lost circulation and can also be used to reduce rod vibration in holes where lost returns are a problem.

Application

PLUG™ should be partially pre-hydrated in fresh water or the drilling fluid for 5 – 10mins before being pumped downhole. The mixture will swell rapidly to help seal loss zones. Drilling can recommence after a waiting period of 30 minutes, however if salinity and hardness are present the waiting time should be extended to 1 hour. This procedure can be repeated multiple times until no improvement in circulation is observed.

Recommended Treatment

PLUG™ should be pre hydrated in quantities of 0.5 – 1.5 kg / 20 L of fresh water or the drilling fluid before being pumped down into the loss zone. When using PLUG™ in diamond coring applications, ensure the tube has been retrieved, and the suction and any other internal pump screens have been removed before pumping downhole. PLUG™ can be used independently or to compliment other lost circulation control materials.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

Advantages

- Easy to use
- Extremely high expansion rate
- Easy to drill out
- Compatible with most products and drilling fluids
- Environmentally acceptable

Typical Physical Properties

Appearance:	White free flowing crystals
Particle size:	2 – 4 mm
Solubility:	Swells rapidly on contact
pH:	7.0 – 8.0

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