



X PLUG (Coarse)

Swelling Polymer

DESCRIPTION

X PLUG (Coarse) is a large granular sized swelling copolymer for lost circulation that expands over 200 times its volume in freshwater.

APPLICATIONS

X PLUG (Coarse) is a lost circulation material used to seal fractures during drilling operations. It can also be spotted in caving zones to consolidate loose formations. After placing X PLUG pills, pull up above the problem zone to prevent stuck pipe. Hydration occurs in 20 to 30 minutes.

ADVANTAGES

- X PLUG is environmentally friendly
- Easy to use
- X PLUG can be hydrated prior to use
- X PLUG will accumulate in a variety of fracture sizes due to its swelling capacity and particle size distribution

TYPICAL PROPERTIES

Physical Appearance	White coarse granular powder
pH(1% solution)	8.5 – 9.5
Specific Gravity	0.8 – 9.5

USAGE

Add 0.3 – 0.5 kg X PLUG to 20 litres in a pail and then pour or pump down the rods with the tube pulled. Pump into place and allow to swell and plug fissures and fractures. Run tube and resume coring. Repeat as often as necessary to obtain fluid returns.

The use of other lost circulation materials such as SEAL X in conjunction with X PLUG can be effective especially in larger diameter drilling operations.