

TiKEMSTOP ABSORBENT

TiKEMSTOP is an organic polymer capable of **absorbing water 50 – 800 times its own weight**. This characteristic causes the swelling of the granules greater than **10 times** of the original size. Once the polymer has absorbed water, it can be released only by chemical action and not by squeezing the swollen granules.

TiKEMSTOP can be used in several applications:

1. LUBRICANT FOR PIPE JACKING OR DRILLING FLUIDS

Improve the lubricity power of traditional polymer and bentonite fluids especially in case of high density of cuttings.

For this application the dosage of TiKEMSTOP is normally between **0,5 – 1 kg/m³ mud**.

2. REDUCING FLUID LOSS AND GROUNDWATER CONTROL

Carried by the mud into the fractures and voids of permeable ground, increases his volume and avoids any loss of circulation. It is also useful against groundwater movement.

Dosage depends on the severity of the fluid loss, on the nature of the soil formation and on the groundwater salinity.

Just as an indication the dosage of TiKEMSTOP varies from **0,5 to 5 Kg / m³ water or mud**.

Application is very simple: just mix it to the fluid and working as usual.

With the circulation the grown granulates continuously will close the slots and drilling can be finishing.





In case of groundwater these granules are “drinking” the water and creating gel/solid mass formation from the liquid gives the chance to stop flowing or to remove it.

3. DISPOSAL OF WASTE FLUIDS

Added to aqueous waste it transforms them into a solid mass that can be easily removed. In this application TiKEMSTOP can be used from the concentration of **5 Kg / m³ of fresh water** up to **10 – 15 Kg / m³ of salt**, hard and/or polluted water systems. However, in presence of salts, the effectiveness of the polymer can be reduced.

TECHNICAL PRODUCT INFORMATION SHEET

General characteristics:

 Appearance :	granular (0,5-3mm)
 Bulk density :	0,8 g/cm ³
 Solubility :	insoluble in water
 Shelf life:	12 months

Packaging: 25 kg plastic sacks, 1000kg palletized
The product is available from stock

**Exclusive Distributor:**

Ti KEM Hungary LTD.
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Note:

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