

TiKEM STOP ABSORBENT

TiKEM STOP 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.

TiKEM STOP can be used in several applications:

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 TiKEM STOP is normally between **0,5–1 kg/m³ mud**.

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 TiKEM STOP 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.

DISPOSAL OF WASTE FLUIDS

Added to aqueous waste it transforms them into a solid mass that can be easily removed. In this application TiKEM STOP 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.

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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; 500 or 1000 kg / pallet
The product is available from stock.



Exclusive Distributor:

Ti KEM Hungary LTD.
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Note:

The data in this technical data sheet is provided for information only. It is correct to the best of our knowledge, information and belief at the date of its publication. All information comes from the producer. It does not constitute a specification and no liability is assumed, nor freedom from any existing patents.

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