

TiKEM POL 533











TiKEM POL 533 is a synthetic totally water-soluble, liquid polymer and it is mainly used for the preparation of stabilizing and lubricating mud in [drilling and civil engineering](#) application such as pipe boring and diaphragm wall digging.

TiKEM POL 533 polymer is made with high care and accuracy in order to ensure the complete absence of heavy metals such as chromium, cadmium, lead, arsenic, zinc and aromatic compounds. TiKEM POL 533 drilling fluid additive is easy to prepare and easy to dispose after usage.

Very effective transport liquid can make using Tikem POL 533 at wide range of [construction works](#) like bored pile and D-wall construction; tunnelling; basement stabilization; TBM works; pipe jacking etc. The product is friendly to the environment and biodegradable.



TiKEM POL 533 is a powerful viscosity agent recommended for all type of drillings. Its main characteristics are its stabilizing and [lubricating](#) properties and the possibility to be recycled many times.

Key properties:

-  Fast hydration, good core extraction
-  Good core extraction
-  Cost effective: to be recycled many times
-  Enhances recovery in coarse formation
-  Stabilizes plastic clayey soils
-  Stabilizes the borehole wall
-  Reduction of inventory parts stored at the drilling site
-  High inhibiting power towards active and marine clays (swelling clays)
-  Degradable material: non fermenting & friendly to the environment
-  **Compatible with bentonite** if mixing is a requirement

Guidelines:

Ti KEM POL 533 dosage generally changes according to:

-  lubricating and viscosity characteristics needed by operators
-  soil condition on which the job is performed.

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TECHNICAL PRODUCT INFORMATION SHEET

Low permeability soils:	0,5 - 1,0 kg / m³ water or mud
Clayey formation:	0,2 - 0,5 kg / m³ water or mud
Gravels or high permeability soils:	2,0 - 3,0 kg / m³ water or mud
Drilling mud loss in rock formation:	2,0 - 4,0 kg / m³ water or mud
Mixing with bentonite mud:	0,5 - 1,0 kg / m³ water or mud

The pH level has to be kept into the basic field. (9-10)

General characteristics:

 Appearance:	milky viscous liquid
 Ionic character:	anionic
 Molecular weight:	high
 Specific Gravity:	1,00-1,10
 Avg. Non-Volatile Solids:	approx. 40%
 Bulk viscosity:	500-2000 cps
 Approx viscosity @5g/l:	2400cps
 Stability of ID solution:	8 days
 Storage temperature:	min. 5-35 °C
 Other:	The product is frost sensible!

Packaging: 25 kg plastic pails, 900 kg palletized; or IBC 1050kg

Shelf life: 6 months

Origin: EU

Exclusive Distributor:

Ti KEM Hungary LTD.
info@tikemhungary.hu

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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