

## 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.

#### **TiKEM HUNGARY KFT.**

Address: H-2536 Nyergesújfalu, Vadkörtefa u 1/B. 2/1.  
Phone: +3670 428 0556  
Email: [info@tikemhungary.hu](mailto:info@tikemhungary.hu) /[office@tikemhungary.hu](mailto:office@tikemhungary.hu)  
Web: [www.tikemhungary.hu](http://www.tikemhungary.hu)

Registration Nr: 11-09-011354

TAX ID: HU13655624

**MBH Bank Nyrt.** SWIFT: BUDAHUHB

IBAN HUF: (HU45) 1010 3661 1101 8700 0100 6001











IBAN EUR: HU23 1010 3661 1101 8700 0100 6300

## TECHNICAL PRODUCT INFORMATION SHEET

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

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:	5-35 °C
 Shelf life:	6 months

**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.

#### **TiKEM HUNGARY KFT.**

Address: H-2536 Nyergesújfalu, Vadkörtefa u 1/B. 2/1.

Phone: +3670 428 0556

Email: info@tikemhungary.hu /office@tikemhungary.hu

Web: www.tikemhungary.hu

Registration Nr: 11-09-011354

TAX ID: HU13655624

**MBH Bank Nyrt.** SWIFT: BUDAHUHB

IBAN HUF: (HU45) 1010 3661 1101 8700 0100 6001

IBAN EUR: HU23 1010 3661 1101 8700 0100 6300