

# CETCO® CIVIL PRO

## HIGH-YIELD CIVIL ENGINEERING GRADE BENTONITE

### DESCRIPTION

CETCO CIVIL PRO is a high yielding, easy mixing, 200-mesh bentonite drilling fluid made from the highest grade Australian sodium bentonite. CETCO CIVIL PRO meets and exceeds the requirements of EN 1358.

### RECOMMENDED USE

CETCO CIVIL PRO exhibits optimal rheological properties designed specifically for use in diaphragm walls, slurry walls, cut-off walls, pilings and similar civil-construction work. Other potential applications include specialized micro-tunnelling, pipe-jacking & horizontal-directional drilling situations that require more turbulent-flow rheology.

### CHARACTERISTICS

- Forms a tight, thin filter cake in unstable formations
- Provides superior borehole & trench stability
- Requires less material due to low fluid loss properties
- Suitable for all types of geology and soil conditions
- Mixes quickly and easily
- Compatible with most CETCO polymer additives
- Rheology is designed for easy solids removal and recycling of fluid
- Higher yield than API 13A Section 9 specifications with better filtration control for low-permeability walls

### MIXING & APPLICATION

Mixing ratios are based on the use of freshwater. Water purity will affect bentonite performance. For best results, acidic and hard make-up water should be pre-treated with SODA ASH to a pH of 8.5-9.5. Mixing is best accomplished by adding CETCO CIVIL PRO slowly through a jet/hopper mixer.

### PROPERTIES

@ 45 kg / 1000 L (45g/L)

Marsh funnel: min. 42 sec

Filtrate: max 17 ml

### PACKAGING

25 kg bags, 1200 kg bulka bags, or pneumatic tanker

TYPICAL PROPERTIES					
	30	35	40	45	50
Concentration (kg/1000 L)	30	35	40	45	50
Mud Density (t/m <sup>3</sup> )	1.015	1.017	1.020	1.023	1.026
Marsh Funnel (seconds)	31	34	37	42	47
Filtrate Loss (mL/30 min)	20	19	17	16	14

Australia: +61 73719 3500 | [www.CETCO.com](http://www.CETCO.com)

UPDATED: JANUARY 2020

© 2020 CETCO. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit [www.CETCO.com](http://www.CETCO.com). CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.

