

CETCO® TBM-PRO

TUNNEL BORING MACHINE SLURRY AND BACKFILL GROUT BENTONITE

DESCRIPTION

CETCO TBM-PRO is a 'dual application' sodium bentonite produced for tunnel projects utilising TBM Slurry-Mode while also requiring a low bleed backfill grout/annulus grout. CETCO TBM-PRO an easy mixing, high quality 200 mesh product made from naturally occurring sodium bentonite. It is made from the highest grade Australian sodium bentonite and is selectively mined & produced for use within the tunnelling & civil engineering sectors. CETCO TBM-PRO meets the performance criteria of the American Petroleum Institute (API) 13A, Section 11 specification and typically provides bleed of <5% at 24 hours.

RECOMMENDED USE

CETCO TBM-PRO is designed for use in various civil engineering applications including; backfill grouting for TBM projects, TBM slurry, diaphragm walls, slurry walls/cut-off walls, piling, micro-tunnelling, pipe-jacking, general purpose grouting and similar civil-construction work.

MIXING AND APPLICATION

Mixing ratios should be determined by an independent laboratory in accordance with the required project specifications. Water purity will affect bentonite performance. Mixing is best accomplished by adding CETCO TBM-PRO slowly through a jet/hopper mixer or colloidal mixer. CETCO TBM-PRO dosage rates are to be approved by the principal contractor as per the 'proven' mix design.

PACKAGING

1200 kg bulka bags or pneumatic tanker.

GENERAL PROPERTIES	
Property	Typical Value
Bulk Density (tonnes/m ³)	~0.85 mt/m ³
Moisture	Max 13%
pH (6.25% solids)	8 to 11
CEC (meg/100g)	>75
Free Swell	Min 24 ml per 2 grams
Wet Screen Analysis	<2.5% on 75 um
Marsh Funnel Viscosity	(22.5 g/350 ml) Min 35 sec

Australia: +61 73719 3500 | www.CETCO.com

UPDATED: JUNE 2021

© 2021 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. 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.

