

TUNNEL-GEL™ SW



THE *Original* DRILLING FLUIDS COMPANY.

Viscosifier/Gellant

- Description:** TUNNEL-GEL™ SW is specially formulated for use with **salt- or brackish make –up water** in tunnelling and HDD. Provides slurry viscosity to aid in the transport of solids, permits easy removal of solids through separation equipment, promotes bore hole stability and provides water loss control. It is compatible with other BAROID products.
- Application/Functions:**
- Provide slurry viscosity.
 - Provide carrying capacity to transport solids.
 - Reduce water loss into permeable formations.
 - Promote hole stability in poorly consolidated formations.
- Advantages:**
- Good carrying capacity when in motion.
 - Good suspension capability when at rest.
 - Easy to mix and quickly reaches maximum viscosity.
 - Non-toxic.
 - Effective in salt- and brackish water based drilling fluids.
- Typical Properties:** Appearance: Variable-coloured powder (yellow to tan).
Specific gravity: 2,6 g/cm³.
pH (3% suspension): 10,4.
- Recommended Treatment:** Mix slowly through a jet mixer or Venturi hopper. As a general purpose slurry, add 25 – 30 kg/1.000 litres of fresh or salt water. In poorly consolidated or gravel conditions, add 35 – 40 kg/1.000 litres of fresh or salt water. When make-up water has low pH and/or high hardness, treat with ± 0,7 kg soda ash per 1.000 litres of water, before adding TUNNEL-GEL™ SW.
- Typical results:** after 1 hour with 3% TUNNEL-GEL™ SW are:
- o MF 1 litre out: min 55 seconds;
 - o PV: 10 cP ;
 - o YP: min 25 lbs/100 ft²;
 - o Fluid Loss (7,5 min): 5,5 ml.
- Packaging:** TUNNEL-GEL™ SW is packed in 25 kg multi-wall specially coated paper bags and 1.000 kg big-bags.
- Availability:** TUNNEL-GEL™ SW can be purchased through approved Baroid IDP distributors.

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.