



Voltite® Waterproofing Solutions

VOLTITE DuraGel

Voltite DuraGel is a sodium bentonite for freshwater drilling and tunnel boring. It is suitable for the preparation of every drilling fluid and most other civil engineering applications.

	<u>Test Method</u>	<u>Unit</u>	<u>Typical Value</u>
<u>GENERAL PROPERTIES</u>			
Moisture	ACC TP-2006	%	.12
Free Swell	ASTM D 5890	ml/2g	25
Fluid Loss	ASTM D 5891	ml	18
Water Absorption	ASTM E946-92	%	600
Specific Gravity	As accepted	-	2,50
Particle Sizing	ACC TP-1015	200 mesh	85% Min passing
Specific Gravity	ISO 9863-1	mm	5,0
<u>PACKAGING</u>			
Bags	-	kg	25/50
Jumbo Bags	-	ton	1 / 1,2

APPLICATIONS

- ❖ Fresh water drilling
- ❖ Slurry Walls
- ❖ Tunnel Boring
- ❖ Foundation Drilling

BENEFITS

- ❖ Mixing quickly and easily
- ❖ High Colloidal Suspensions
- ❖ Cools the drilling tool
- ❖ Lubricating Characteristics

MIXING AND DOSAGE

Voltite DuraGel should be mixed slowly with water using a highly efficient jet mixer if the water is highly acidic, it should be pre-treated with Soda Ash before the application of Voltite DuraGel for more satisfactory results.

STORAGE

Keep Voltite DuraGel in a dry place on pallets as lying flat and closed in original packaging. At outdoor storage, well-drained location and protective waterproof plastic sheeting is recommended.

Further Information: Voltite DuraGel can be used in several areas. For further application details and technical support please contact our local offices.