

Technical Data Sheet

Product: Soil-Mask™

General Description: Our environmental protection grade Bentonite provides excellent support to the layer of the soil and making it very low permeable. This grade of clay is carefully selected for its fast swelling and excellent sealing properties. Soil Mask can be used for protection of groundwater from pollutants, rehabilitation of lands fills and any similar usage.

Product Features:

- High swelling natural sodium grade bentonite. It can swell 10-12 times to its original volume.
- Low seepage rate, low permeability
- High colloidal property

Technical Specification:

Free swelling volume	ml	26-28
pH		9-11
Moisture	% by weight	10-13

Chemical Analysis:-

Silica as (SiO ₂)	46% - 51%
Alumina as (Al ₂ O ₃)	18% - 20%
Iron as (Fe ₂ O ₃)	4% - 11%
Calcium as (CaO)	2% - 5%
Magnesium as (MgO)	0.5% - 1%
Sodium as (Na ₂ O)	0.5% - 3%
Potassium as (K ₂ O)	0.03% - 0.3%

Partical Size Analysis:-

100 Mesh Passing through	98%-99%
200 Mesh Passing through	82%-85%
300 Mesh Passing through	75%-78%

Note:-

The chemical composition of the Bentonite to be determined on indicative basis since the chemistry varies from one mining site to other. The technical specifications as specified above will however have no variation.