

Technical Data Sheet

Product Name: B- Cube™

General Description: Especially made to the requirements of Horizontal Directional Drilling operations, our product is a one bag additive to achieve sturdy slurry. For trenchless technologies like Micro Tunneling, Pipe Jacking etc., B-Cube™ is highly recommended. B- Cube™ has much better soil and cuttings carrying capacity having an improved Gel Strength and Yield point values and can be used immediately after 10-15 minutes of mixing.

Its unique formula can practically be used in any soil condition. A mixture of 30Kg/m³ of water will produce slurry of 55" Marsh Viscosity.

Product Features:

- Produces Thixotropic Gel
- Shear thinning fluid, ensuring optimum cutting carrying capacity
- Improved fluid loss characteristic, reduced seepage rate
- Helps to prevent loss of circulation
- High gel strength
- Stabilizes bore holes
- Cools as well as lubricates the drilling bit

Mixing Procedure:

For slurry preparation, water up to 20° dH can be put to use. The product is designed well to work effectively in areas where water hardness effects the Rheological properties of clay. B- Cube™ delivers the desired efficiency even on extreme alkaline or Hard water required for slurry preparation.

Technical Specification: -

Properties:

Yield for 15cP ≥ 36m³/ton

At 30g/l:

Yield Point : Min. 25 – 30 lbs/100 sq.ft

Plastic Viscosity : 8 – 12 mPas

Filterate Volume : 18ml Max.

(30 min under 7kg/cm²)

B-Cube Properties in tap water (18° dH):

Concentration of Clay (B-Cube) in KgKg/M³	20	25	30	35	40
Marsh Funnel Time in Secs.*	40	45	55	55	>100
Yield Point (YP) lb/100 sq.ft*	9	17	27	27	62

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