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BENNETT International Ltd

JASPREX ATT Product Data Sheet

DESCRIPTION

Jasprex ATT is a free-flowing Attapulgite clay powder consisting of finely divided minerals (Attapulgite 85% and other clays 15%)

USES

“JASPREX ATT” can be used in the production of drilling mud for oil and gas applications. Drilling muds provide lubrication for a variety of drilling activities, with formulations that can depend on the setting and the conditions.

ADVANTAGES

Attapulgite or salt gel is well known in oilfield drilling fluids for its use as a viscosifier and suspending agent in sea water and various brines. Attapulgite particles are needle like in shape and builds viscosity. When the water-to-cement ratio is close to the optimal value, there is choice is to reduce the amount of water; but this quickly leads to unpumpable or unmixable slurries. To achieve lower densities, an option is to add lightweight aggregates, rather than foaming the slurry with gas—usually nitrogen or air. The stability can be jeopardised and reduction of strength of the set cement. To rectify stability problems, interstitial water can be viscosified using colloidal clays such as Attapulgite. Good compatibility with other BENNETT products such as JASPREX M as high performing cement dispersant.

PROPERTIES

Form:	Free Flowing Powder
Colour:	Light cream
Typical Sieve Analysis	32.3% retained on a 45µm sieve (Maximum 40%) 0.5% retained on a 250µm sieve (Maximum 0.8%)
Apparent Density:	510 Kg/m ³ (Minimum 500 Kg/m ³ ; Maximum 600 Kg/m ³)
Moisture:	18% (+/- 1%)
pH	10
DOP Absorption	86%
Linseed Oil Absorption	70%
Brookfield Viscosity	6500cP (25°C, 5 rpm) (Minimum 5000cP)

Compatibility: Can be used with all type of Portland and slag cements including sulphate resistant cement.

Consistency: “JASPREX ATT” is manufactured from carefully selected raw materials and is manufactured under BENNETT process controlled conditions to produce a consistent product.

HANDLING

“JASPREX ATT” is formulated from chemicals which present no fire or health hazards.

STORAGE

If stored in unopened containers at normal temperatures, a shelf life of at least 12 months is expected.

PACKAGING

“JASPREX ATT” is available in 25kg bags or bulk bags.

TECHNICAL SERVICE:

BENNETT maintains qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. BENNETT can advise on the correct use and selection of right products at the right place.

NOTE: This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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