



DFA GEL AUS4

TECHNICAL DATA SHEET

Bentonites for Civil Engineering Works

DESCRIPTION

DFA GEL AUS 4 is a sodium bentonite designed specifically for use in the construction of Diaphragm Walls, Bored Piles, and Barettes. This product has been designed to give ideal rheology and filtration control necessary for these specific construction techniques. DFA GEL AUS4 has been designed to give maximum protection against known typical contaminants.

GENERAL CHARACTERISTICS

| | |
|---------------------------|------------------------|
| Aspect | Yellow to brown powder |
| Water content % | 14 maximum |
| Wet screen analysis 75µm% | 4 maximum retained |
| Swelling ml/2gm | 22 minimum |
| Loose bulk density | 1.0 (average) |
| Apparent settled density | 1.2 " " |
| Specific weight g/cm3 | 2.2 " " |
| pH of 5 % gel | 10 " " |

INDICATIVE RHEOLOGICAL PERFORMANCE

Obtained at 20°C on a slurry mixed with tap water at 1500 rpm for 3 minutes

| Water (ml) + Bentonite (g) | After 1 hour ageing | | After 24 hours ageing | |
|----------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|
| | Marsh Viscosity. API ^(*) | Filtrate ISO 13500 ^(**) | Marsh Viscosity. API ^(*) | Filtrate ISO 13500 ^(**) |
| 1000 + 30 | 32 to 34 sec. | < 25 ml | 32 to 35 sec. | < 25 ml |
| 1000 + 40 | 36 to 43 sec. | < 22 ml | 38 to 45 sec. | < 22 ml |
| 1000 + 50 | 45 to 55 sec. | < 20 ml | 48 to 60 sec. | < 20 ml |

(*) Volume poured is 946 ml

(**) Filtrate is twice the volume collected from 7.5 to 30 minutes

PACKAGING

- 25kg valve bags on pallets
- Bulk Bags
- Bulk Pneumatic upon request

STORAGE

Store the product in its closed original packaging at ambient temperature and protect from humidity. A loss of rheological and filtration properties may result from inadequate storage.

SAFETY DATA

MSDS sheets and application data available on demand