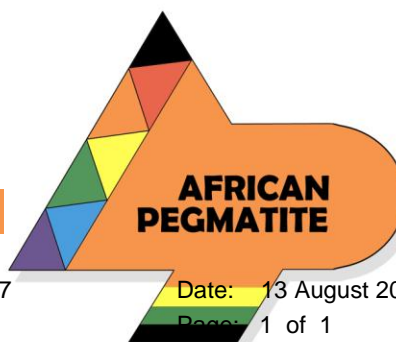


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MILLERS & PROCESSORS OF BASE MINERALS



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Data Sheet

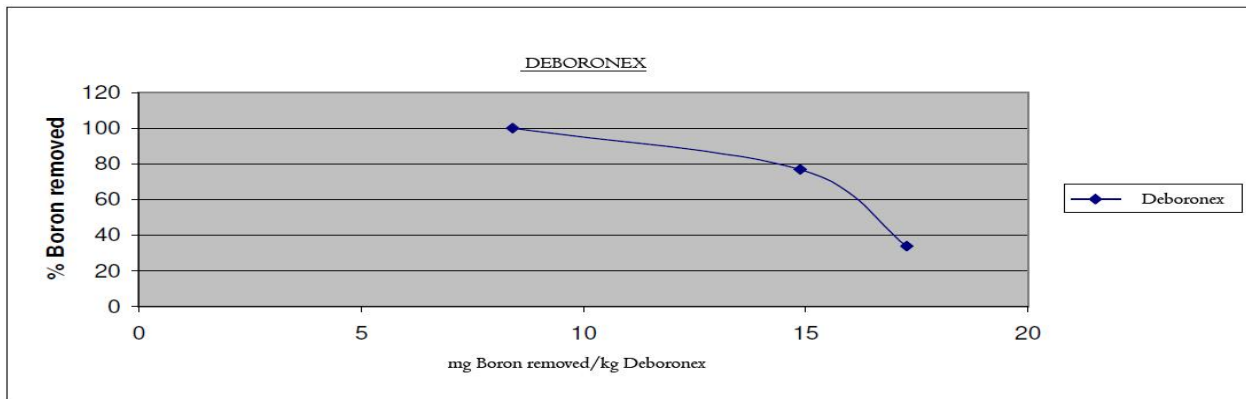
Product: DEBORONEX
 Granular Media
 (For removal of dissolved Boron)

PRODUCT KEY FEATURES:

Removal of Borates from a pH range of 6 – 9. No harmful effects. Low attrition from air scour.

Characteristics

Colour	White
Dry Bulk Density	900 – 1000 kg/m ³
Effective size in mm (approx)	1.25
Uniformity coefficient.....D60 / D10	1.5 - 1.7
Mesh sizes in mm	1 – 3mm
Attrition loss per year in %	Not exceeding 10%. Reducing to 5%
Raw water pH	6 – 9 (Optimum pH 6)
Bed depth	600 - 800mm
Freeboard in %	30
Backwash flow rate in cubes/hour sq metre	8 – 12 m/hour
Maximum temperature raw water in °C	10-35°C
Specific Gravity (S.G)	2.6
Regeneration	3% NaOH Wash Solution. Backwash 6 vessel volume at recommended flow.
Adsorption Capacity/Efficiency	See Graph.



Deboronex:

Deboronex is an inorganic compound which has a relatively high adsorption capacity to remove soluble borates from dam, sea and river waters, contaminated from Boron bearing minerals and industrial effluents. Recommended pre-treatment for R/O installations to remove Boron to obviate membrane blockage causing possible tear. Boron adsorption was determined to be endothermic and thermodynamically favourable. Deboronex showed that it is a suitable non-toxic adsorbent for the removal of Boron from aqueous solutions.

Packaging:

25kg polywoven bags with inners, 40kg bags and bulk bags.

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We recommend that the user determine whether the products and the information given are appropriate, and that the suitability and performance of our products are appropriate by testing with its own equipment. Specifications are subject to change without notice.

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