

LAVIOSTOP®

Compressed chemically unaltered high swelling sodium bentonite in pellets is used as plugging in drilling where there are fluid's losses due to high permeability of the soil and/or breakings. The particular granulometric distribution of LAVIOSTOP® together with the accurate mineral selection and its balanced activation, are winning synergies to obtain easy applications and the maximum of the efficiency. LAVIOSTOP® can also be used for the soil waterproofing treatment during the piezometers set up and the general operation of monitoring.

Moisture	15 – 18 %
Free swelling in water	15 – 20 ml/g
Bulk density	> 1,3 kg/l
Specific gravity	2,5 – 2,6
Swelling (unconfined)	> 15 times
Swelling time	2 hours
Liquid Limit	500 – 600 %
Plasticity Limit	50 – 80 %
Plasticity Index	450 – 520 %
ENSLIN Index	300 % min after 2 hours
ENSLIN Index	700 % min after 8 hours
pH	9 – 10
Size and shape	Cylinders - 8 x 8 & 16 x 16mm

Specific advantages and benefits

- Ready to be used pellets
- High swelling capacity with fresh water
- Delayed swelling
- Excellent sinking qualities
- No grouting/mixing machines required
- Easy to use & Dust Free

- Extremely low permeability
- Environmentally friendly, atoxic
- Do not disintegrate upon swelling;
- Seals are tough but flexible,
- Do not crack in case of movement
- After hydration, forms a semi-solid,
- flexible seal with permeability less than 1×10^{-8} cm/sec

Application

- Grout plastic OR steel casing
- Provide a protective interface between gravel pack and cement grout
- Plug any abandoned boreholes.
- Create a stable, permanent below-grade seal in:
 - observation wells
 - dewatering holes
 - soil sampling holes
 - mineral exploration holes
 - water wells

Dosage

Dosage changes according to the kind of use and to stratigraphy. Our technical dpt. is available to establish the appropriate dosages according to the jobsite needs.

Storage

Keep the product in a dry place and closed in original packing

Packaging

- Plastic bags , 20 kg each Big Bags

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