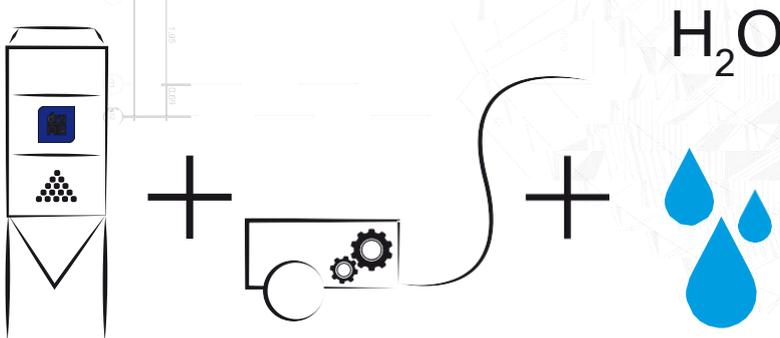




TECHNICAL DATA SHEET

PRODUCT LINE dryMIX NABENT S

Pre-activated sodium bentonite with excellent sealing properties, also used as a separate component in the production of sealing and filling mixtures.



Application possibilities:

In the so-called conventional method of mixing suspensions, i.e. with individual dosing of components in the implementation of e.g.:

- Water management structures when creating underground sealing walls
- Special foundation structures
- Ecological structures e.g. sealing landfills (lining and sealing suspensions)

Advantages:

- Construction security and resistance to groundwater seepage
- Almost 100% filling of cavities and interstices
- Consistent quality, verification and adjustment of the recipe
- Comprehensive service, logistics including rental of construction silos
- Low costs for setting up a construction site
- Storage capacity in mobile silos: min. 4 weeks

Processing:

The dryMIX NABENT S product is mixed with water at the construction site in a mixing center according to a previously tested recipe. If drinking water is not used for mixing, a chemical analysis of the water is necessary! The produced suspension is pumped from the mixing center into the processing construction machine.

Technical data (TAB):

| TYPE: | S | Test method |
|------------------------------------|------------------------|-------------|
| Montmorillonite content (%): | > 75 % | ASTM C837 |
| Water content (%): | < 12 % | DIN 18121 |
| Grain size (µm): | 0-63 µm (max 20%>63µm) | DIN 18121 |
| Bulk density (kg/m ³): | 820 kg/m ³ | |
| Enslin value (%/hour): | 560%/24 hod | DIN 18121 |
| Volume expansion (ml/g): | 27ml/2g | ASTM D5890 |
| Color, shade: | light gray | |
| Absorption–methyl blue (mg/g): | 330 mg/g | |

Chemical composition:

| | | | |
|---|--------------------------------------|------------------------------|---------------------------|
| SiO ₂ ~ 74,0 | Fe ₂ O ₃ ~ 2,6 | MgO ~ 1,1 | K ₂ O ~ 0,54 % |
| % Al ₂ O ₃ ~ 14,3 % | % CaO ~ 1,3 % | % Na ₂ O ~ 0,09 % | |

All values listed are achieved under ideal laboratory conditions!

Our services:

- active support in project acquisition
- design and optimization of the recipe according to the contractor's specifications
- production control tests, samples taken directly on site "in situ"
- rental of mobile construction sites
- comprehensive service and logistics

Delivery form:

- The dryMIX NABENT product is transported in bulk in tanker trucks of approximately 27 tons and is pumped into the silo directly on site. The condition is always a passable road for tanker trucks and a min. volume of the storage silo of 40 m³!
- Use our technical experience gained on specific construction sites by using these products!
- We are happy to optimize our products with regard to your construction requirements.

We look forward to working with you!