

Product Data Sheet

Drillgrout-B

CEMENT BASED GROUT FOR DRILLING TECHNIQUES AND DIAPHRAGM WALLS

Drillgrout - B is a cement-based grout composed of quality maintained ready-to-use cement bentonite, pre-tested mineral binders, mineral additives and clay components.

APPLICACION POSSIBILITIES

- Filling up annular spaces during pipe-jacking and HDD
- Extremely effective for drilling projects in area's with risk of seepage
- Diaphragm walls
- Grout to soil injection

DELIVERY

Drillgrout-B can be delivered in bulk mobile silo, 500 kg bigbags, 1000 kg bigbags and 25 kg bags.

TYPES

Drillgrout - B suspensions can be mixed variably. These recommendations consists only the basis of the standard product. Besides Drillgrout - B we produce multiple other ready-to-use products for constructions and drilling techniques.

SERVICES

Take advantage of our application technical experience! We are happy to optimize our products with your construction and drilling practical requirements in mind. The proportion of solids can be set variably. In the context of the raw material technical possibilities, the processing time and properties of the hardening pre-mixed suspension can be specifically influenced

Revision date: 19-05-24. * The above concentrations and resulting rheological values are indicative, conditions may vary and the information given is to be used as a guideline only.

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DrillGrout-B

SUSPENSION RECIPE

| | | |
|------------------------------|-----------|-------------------|
| DrillGrout - B | 300-350 | kg/m ³ |
| Water (drinking quality) | 930 | kg/m ³ |
| Suspension density | 1,19 | g/cm ³ |
| Thermal Conductivity W/(m-k) | 1.0 | w/mk |
| Suspension density | 1,23-1.26 | g/cm ³ |

SUSPENSION PROPERTIES (I)

| | | |
|--------------------------------------|-------|-----------------|
| Marsh-funnel time | 45-65 | s |
| Kogelharp (Ball harp DIN 4126) | 3-7 | Kogel |
| Filtraatwater (DIN 4127) | ≤ 70 | cm ³ |
| Afz.mate na 2 h, 250 cm ³ | ≤ 1,5 | Vol.-% |

PROPERTIES OF HARDENED SUSPENSION (II)

| | | |
|---------------------------------------------------|---------------------------|-------------------|
| Uniaxial compressive strength q_u after 28 days | ≥ 0,45 | N/mm ² |
| Uniaxial compressive strength q_u after 56 days | ≥ 0,06 | N/mm ² |
| Permeability k-value (III) after 28 days | ≤ 5,0 x 10 ⁻¹⁰ | m/s |
| Permeability k-value (III) after 56 days | ≤ 5,0 x 10 ⁻¹⁰ | m/s |

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