

BENTOPROSEAL-S

DESCRIPTION

BENTOPROSEAL-S is a high-quality sodium-activated bentonite with very high yield (22 - 24 m³/t), specially processed to achieve exceptional rheological and waterproofing properties. BENTOPROSEAL-S can be successfully used for various construction projects and technologies: construction of bentonite and cement-bentonite cut off walls, preparation of bentonite suspensions for stabilization of excavation, grout curtains, piling works, slurry shield tunneling (TBM), construction of other waterproofing membranes. BENTOPROSEAL-S is recommended for demanding geotechnical works in sandy and gravelly environments.

PRODUCT PROPERTIES

Parameter	Unit	Limit value	Typical value
Moisture	%	≤ 13	9 - 13
Swelling volume (2g/100ml)	ml	≥ 34	34 - 38
Sieve residue 63µm, dry screen	%	≤ 25	20 - 25
Specific mass	kg/m ³	-	2650
Bulk density	kg/m ³	-	800 - 880

APPLICATION

Suspension properties	Unit	30 kg/m ³	40 kg/m ³	50 kg/m ³
Slurry density DIN 4127	kg/m ³	1016	1022	1027
Filtrate volume DIN 4127 (7,5 minutes)	ml	12	11	10
Liquid limit DIN 4126 (balls)	N/m ²	12	21	36
Marsh viscosity EN 1538	s	≥ 35	≥ 38	≥ 45

NOTE: Water quality affects BENTOPROSEAL-S performance. For best results set water pH to 8,5 - 9,5 by adding soda ash.

PACKAGING, STORAGE AND SHELF LIFE

- 25 kg (paper bags on a pallet 1.000 kg, protected with plastic foil)
- 1 ton (big bags)
- In bulk (delivered by silo truck)

To be stored in original packaging in dry place. Shelf life: 1 year.

QUALITY CONTROL

BENTOPRODUCT operates in accordance with the Integrated Management System that implies ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. Certified by TÜV.





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TECHNICAL DATA SHEET revision number: BPS-S-ENG-2022-0.1

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