

BENTONITE POWDER

PRODUCT DESCRIPTION

BPA - Bentonite powder is a specially activated mineral bentonite powder/granulate made of selected raw clays with high swelling reaction properties and long-life expectancy.

APPLICATION AREAS

BPA - Bentonite powder is a special bentonite for mineral protection of structures and building parts against ground moisture, water pressure and low-water pressure. BPA - Bentonite powder was developed for landfill sealing, building sealing, building renovation and especially for use with the BPA-CEMto bent Clay Liner Systems.

Further application areas:

- ☞ Sealing of basement slabs and foundations in areas that are in contact with the ground water
- ☞ External waterproofing of coves and horizontal areas that are covered with soil
- ☞ Landfill constructions, building constructions, civil engineering and tunnel constructions
- ☞ In combination with the BPA-CEMto bent systems (bentonite mat)
- ☞ Part of the BPA-Quellmax system (bentonite swelling water bar with drinking water approval)

FUNCTION

If water comes in contact with the bentonite powder/granulate, the bentonite swells and builds up a pressure and stops the waterflow and seals off the area.

The permanent long-term sealing features are achieved by the special additives in the bentonite powder. The swelling and sealing process with our bentonite is a natural and reversible process.

CHARACTERISTICS AND ADVANTAGES

- ☞ Simple handling
- ☞ Highly suitable for a wide range of applications: sealing and refurbishment in landfill constructions, building constructions, civil engineering and tunnel constructions
- ☞ Can be used as a pre- or post-applied sealing agent
- ☞ Suitable for water pressure and low-water pressure water areas
- ☞ Can also be used for high-stress and crack-jeopardized constructions
- ☞ The swelling of our bentonite is a natural and reversible process

PRODUCT DATA

	Bentonite powder/granulate BPA - Bentonite powder	Article-No.
Dimensions/ Packaging	Bentonite powder/granulate Bag with 25 kg, 50 bags per pallet	20-802
Storage	BPA - bentonite powder has a shelf life of approx. 5 years when stored in a dry, frost-free, UV and heat protected place. If possible, store in closed original packaging.	



TECHNICAL DATA

BPA - Bentonite powder

Property	Test Method	Unit	Characteristic Value
Colour			grey - beige
Water content	DIN 18121-1	%	≤ 13,00
Bulk density	DIN 53466	kg/m ³	app. 800
Swelling capacity	ASTM 5890	ml/2g	≥ 24
Methyl blue adsorption	VDG P69	mg/g	≥ 280
Montmorillonite content	VDG P69	%	≥ 70
Water absorption capacity	DIN 18132	%	≥ 480

General Advice

Do not use on a frozen surface at temperatures below 0°C when you are expecting frost or rain.

Environment and health

This product does not represent a hazardous substance within the meaning of the EU Hazardous Substances Regulation. A safety data sheet for transport, placing on the market and use is available on the request.

Health and Safety

The essential safety, toxicological, physical and ecological data for the handling of BPA - Bentonite powder can be taken from the product-specific safety data sheets.

Data

All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Legal advice

All above mentioned Information concerning BPA-products, especially any recommendations and advices relating to the application and use of BPA products are given in good faith based on BPA's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with BPA's recommendations.

In practice, the differences in materials, actual site conditions and other factors outside are such that no warranty nor any liability arising out of any legal relationship whatever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the product must test the product's suitability for the intended application and purpose before proceeding with the full application of the products. BPA reserves the right to change the properties of its products without notice.

Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request. All sales of BPA are subject to our current terms and conditions.



Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local product data sheet for the exact description of the application fields.

