

# BENTOSTOP putty

*Hydro insulation sealant based on activated bentonite*

## 1. Product characteristics

A single-component hydroinsulation material in a form a sealant, ideal for sealing of penetrations, transmissions and work joints due to its extreme ability to increase volume when in contact with water.

- expands due to reaction with water and perfectly adjusts to shape and profile of the work joint
- ability to expand is not affected by cyclic drying
- UV radiation resistant
- permanently stable, resistant to various acids, alkalis, vegetal and mineral oils, oil products etc.
- ensures perfect sealing
- delayed activation

## 2. Use

**BENTOSTOP putty** is a sealing material, specially modified and supplied in form of a sealant. The main area of use is based on the ability of the activate bentonite to expand its volume after contact with water – it swells and creates a permanently watertight material of highly plasticity a valence. Due to the delayed activation the volume expansion begins after the initial curing of the concrete and which prevents its damage in the work joint. It is especially suitable for sealing passages in swimming pools, basins, reservoirs, sewer piping passages, joints of reinforced concrete precasts (rings, tubes), connecting while concreting etc.

## 3. Physical and mechanical parameters

Color	non-standard grey
Density (kg/m <sup>3</sup> )	1110
Adhesion to concrete (MPa)	min. 0.33
Unconstrained expansion after 10 days (%)	min. 90

## 4. Test certificates

The product is certified according to Act 22/1997 and Governmental Decree No. 312/2005 Coll. Supervision of the quality system, EMS and OHSAS is carried out by Notified Body No. 1020.

## 5. Instruction for preparation and application

**BENTOSTOP putty** is applied directly on edges of joint by spatula or by application gun from car-touche. Substrate that the **BENTOSTOP putty** is to be applied on must be dry (damp wet at most), must be clean of dust, grease or other materials that may negatively influence the adhesion to the substrate. **BENTOSTOP putty** is suitable even for open joints.

Also **BENTOSTOP putty** should not be used for dilatation joints or any other permanently moving joints.

## 6. Specific consumption

In dependence on specific application.

## 7. Packing and storage

**BENTOSTOP putty** is supplied in following packaging: PE cartouche 310 ml, PE bucket 5kg. Store under temperatures between +5°C and +40°C. Guarantee period in original unopened packaging is 24 months from day of manufacture.

Protect against frost.

## 8. Health protection at work

Work with **BENTOSTOP putty** does not require any extraordinary hygienic precautions. In case of accidental ingestion rinse mouth with water and drink approximately 0.5 l of water. Seek medical help. In case that eyes are affected by the product, clean eyes with running water and seek medical help.

## 9. Waste disposal

During disposal of contaminated packages or clearing debris from product, it is necessary to follow the Act No. 185/2001 Coll. on waste, as amended.

## 10. Important notice

All information mentioned above, especially advice for processing and application of our products, is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral recommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove, that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received orders are subject to our current "General sales and delivery conditions ". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at [www.betosan.cz](http://www.betosan.cz)

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