

BENTOSWELL SALT**Description**

Hydrophilic, swellable waterstop made of high quality sodium bentonite and butyl rubber for the preventive sealing of construction joints and as a system component for bentonite mats. BENTOSWELL SALT retains its shape after 3 wet and dry cycles and is suitable for use in water exchange zones. However, at some point there will be some wash-out. The advantage of this phenomenon is that concrete voids/cracks are filled. BENTOSWELL SALT has a good resistance to a wide range of chemicals. The product was tested at MFPA Leipzig.

Application

BENTOSWELL SALT can be applied both vertically and horizontally, but under no circumstances should it be used in expansion joints. Place the BENTOSWELL SALT on a smooth and dust-free surface (concrete). To ensure a continuous section of the sealing tape, an overlap of at least 5 cm is applied and the ends of the tapes are firmly pressed together. In case of a change of direction (corners), BENTOSWELL SALT is placed firmly together without overlapping. A minimum concrete cover of 8 cm on each side is required. Do not install BENTOSWELL SALT during heavy rainfall as this may cause swelling before the concrete has been poured onto the sealing tape. Avoid any contact with water before pouring concrete. BENTOSWELL SALT is installed between the inside and outside reinforcement. BENTOSWELL SALT can be fixed by using bentonite waterstop fixing glue or by gun nailing with wire mesh. For vertical applications, the use of a wire mesh is recommended. The mesh and tape are then fixed by gun nailing. BENTOSWELL SALT tapes that are damaged, already swollen, or whose geometry has changed may not be installed. The usability of the product in the respective installation situation must be checked by the user!

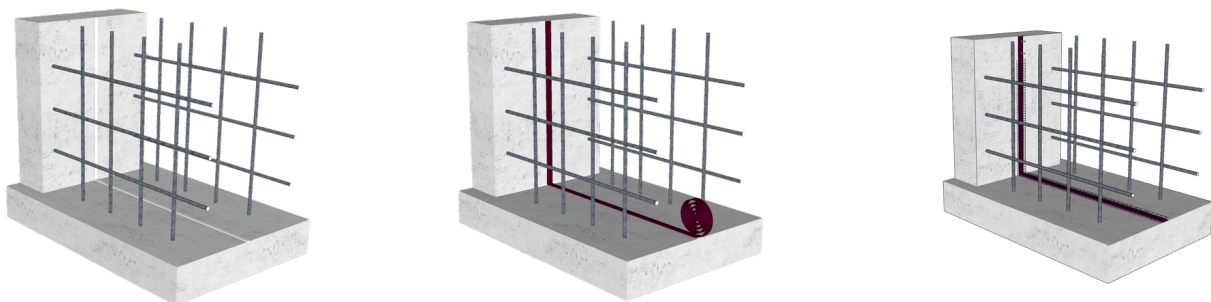
1. Ensure full contact with the joint. If required use fixing glue.
2. Unroll the BENTOSWELL SALT between the first phase starter bars with a minimum concrete cover of 8 cm.
3. Install wire mesh over the BENTOSWELL SALT. In order to ensure good contact with the construction joint surface, shotfire the wire mesh every 25 cm, using nails with washers.

Material

- Sodium bentonite
- Butyl rubber
- Free from PVC, CFC and HFC
- Without substances of very high concern according to ECHA candidate list (REACH Regulation)

Packaging

- Free of halogen-containing compounds, azo dyes, flame retardants



| Item no. | Dimension mm | Length m | Rolls/ Box | m/ Box | m/ Pallet |
|--------------|--------------|----------|------------|--------|-----------|
| BSS192405/06 | 19 x 24 | 5,00 | 6 | 30,00 | 1.620,00 |
| BSS201010/06 | 20 x 10 | 10,00 | 5 | 50,00 | 3.150,00 |
| BSS202505/06 | 20 x 25 | 5,00 | 6 | 30,00 | 1.620,00 |

.../06 = Colour Red

Technical data:

| | |
|--|---|
| Mass increase in deionized water (rainwater) | 445 % |
| Mass increase in alkaline water (concrete water) | 250 % |
| Mass increase in concrete attacking water | 355 % |
| Colour | Red |
| Density | 1.39 g/m ³ |
| Swelling pressure when encapsulated | Approx. 17 kN/m (Dimension approx. 20x25 mm) |
| Resistance to hydrostatic pressure | Tested up to 5 bar (Dimension approx. 20x25 mm) |
| Application Temperature | 0 / +50 °C |
| Service Temperature | -50 / +70 °C |
| Tolerance range (dimensions) | +/-1.0 mm |

These data are not suitable for the issue of specifications. Please contact our Sales Office before issuing specifications.

Weather resistance: Excellent UV and ozone resistance. Avoid long term exposure to direct sunlight.

Chemical resistance: Good general chemical resistance to acids, alkalis and most aqueous solutions but caution is advised with aromatic oils and fuels, vegetable oils and strong aromatic solvents. Contact our Sales Office for detailed specific information.

Chemicals (concentration 1-10%) - Resistance

| | |
|---------------------|-----------|
| Inorganic acids | No effect |
| Inorganic bases | No effect |
| Organic acids/bases | No effect |
| Alcohols | No effect |
| Aldehydes | No effect |
| Amines | No effect |
| Ester | No effect |



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BENTOSWELL SALT

| | |
|---|-----------------|
| Ether | No effect |
| Detergents and other cleaning agents | No effect |
| Chlorine water | No effect |
| Benzene | Moderate effect |
| Nitrobenzene | Moderate effect |
| Toluene | Moderate effect |
| Xylene | Moderate effect |
| 100/150 solvents | Moderate effect |
| Aliphates hydrocarbons (oils and fuels) | Moderate effect |
| Halogenated hydrocarbons | Moderate effect |
| Carbon disulphides | Moderate effect |
| Biological fats, oils and sugars | Moderate effect |

No effect: Performance will not be affected under most service conditions.

Moderate effect: Performance may be affected, especially with long-term exposure.

For information on chemical resistance to chemicals in concentrations above 10%, please contact our Sales Office.

Note: Protect from direct sunlight and moisture during storage.

