

SWELLBAND

Bentonite Based, Swelling Waterstop

Description

SWELLBAND is an active sodium bentonite/butyl rubber based waterstop designed to stop water infiltration through cast in place concrete construction joints by expanding upon contact with water to form a positive seal against the concrete. It also fills the cracks and pores on the concrete.

Fields of Application

- **SWELLBAND** can be used on swimming pools, tunnels, subways, retaining walls, curtain walls,
- Water tanks, sewage systems, water purification facilities,
- Underground pipe and cable inlets,
- Concrete joints, barrage, road and intersections of old and new concretes.

Features and Benefits

- Easy to apply.
- Easy application even with huge amount of rebar.
- Connecting seams require only putting together side by side and pressing.
- The swelling occurs in a controlled.
- Does not swollen suddenly cast in concrete.
- Safely used in water tanks.

Technical Data

Content	Sodium bentonite/butyl rubber based
Volume Change (DIN 53521)	>100% after 7 days in water >150% after 14 days in water >100% after 10 times dry/wet cycle (1 cycle : 7 days dry and 7 days water)
Swelling Pressure	>15 bar (after 7 days in water)
Shore A Hardness (DIN 53505)	35
Elongation at Break (DIN 53504)	>250%
HS Code	4008.21.90.00.00

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Application Procedure

Preparation of Substrate

The surface must be clean and dry. It must not be applied to wet, frozen, greasy or dusty surfaces, and under wet weather conditions. **SWELLBAND** should be protected from humidity and rain before the application.

Application Method

Roll out required amount of **SWELLBAND**. SUPERTACK 290 is placed in the middle of the joints and **SWELLBAND** is glued on it and fixed on the surface. Place seams side by side or end to end; do not overlap. Make sure waterstop covers all parts of the surface, especially for surfaces which are not perfect in shape. Remove silicon paper and pour concrete carefully and indirectly. It is not suitable for the joints of precast building elements.

Consumption

Depends on application areas.

Packaging

5 mm x 20 mm - 15 m/box

10 mm x 20 mm - 10 m/box

15 mm x 20 mm - 5 m/box

20 mm x 25 mm - 5 m/box

Shelf Life

12 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

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Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +35°C.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.