

CRYST SWS[®]

Article-No.: 04500

SWELLING WATERSTOP TAPE FOR CONCRETE JOINT

DESCRIPTION

CRYST SWS[®] is a swellable bentonite water stop tape for sealing vertical and horizontal structural joints, which are exposed constantly or temporarily to water. CRYST SWS[®] Swelling Tape is designed for use in non-movement joints of concrete. In contact with water, the reaction of the tape is activated and the tape starts swelling. Due to the swelling pressure in the construction joint, leads to penetration into cracks, joints, cracks, cavities, and seals the area.

FEATURE AND BENEFITS

- Fast and reliable swelling performance.
- High swelling rate.
- Approved for use in drinking water reservoirs.
- Waterproofed against pressurized water.
- Easy application
- Saving time over traditional water stops.
- Reliable and durable.
- Not dimensionally stable, therefore it has a high level of efficiency.
- Suitable in wet and dry cycle areas.

FIELD OF APPLICATION

Swelling tape is used for waterproof vertical or horizontal structural joints:

- Building foundations, slabs, retaining walls, basements, precast panels, tunnels, and lift pits.
- Storage water tanks, swimming pools, water treatment tanks, sewage, and manholes.
- Concrete pipes.
- Other similar non-moving cold construction joints.

MATERIAL PROPERTIES

Form:	rectangular and flexible profile
Appearance:	black / red
Dimension:	20 x 25 mm
Resistance to hydrostatic pressure:	tested up to 5 bar
Application temperature:	+8°C up to +40°C
Service temperature range:	-20°C to 80°C
Fire class DIN EN 4102	B2
Density:	1.4 g/cm ³

DIRECTION FOR USE

1. CRYST SWS[®] tape has to be placed in the middle of the construction joint. If this is not possible, the minimum coverage with concrete has to be 7 cm.
2. The surface must be dry and clean.
3. Apply CRYST PRIMER[®] by over the entire surface length to receive CRYST SWS[®]. The primer will enhance the bonding between a CRYST SWS[®] and the concrete surface, aiding in the installation process.
4. Press a bead of CRYST SWS[®] firmly into position on the standing structure by using hand. Make sure the product has bonded with the primer area.

5. At the end of CRYST SWS® tape, make each end at opposite 45° angles and tightly butt ends together. DO NOT OVERLAP ENDS. Gently knead the spliced ends creating an uninterrupted seal.
6. Remove the protective covering from the exposed side of the installed CRYST SWS®.
7. Follow standard concrete placing procedures from here onwards.

RATE OF RAPID EXPANSION

Volume expansion in Fresh water up to 400%

Volume expansion in Salt water up to 200%

PACKAGING

CRYST SWS® is available in delivery form 30 meters/carton (6 rolls, 20 mm × 25mm × 5 m each).

BASIS OF PRODUCT DATA

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

STORAGE & SHELF LIFE

Keep CRYSTARM® products must be stored dry and at a temperature of no less than 45°F (7°C). 2 years is the maximum shelf life when stored under proper conditions in original unopened packaging.

TECHNICAL SERVICES

For more detailed instructions, alternative application methods, or information concerning the compatibility of the CRYSTARM treatment with other products or technologies, contact the CRYSTARM® Technical Department or your local CRYSTARM® representative.

SAFETY HANDLING

Take adequate precautions, such as wearing protective gloves. For further information please refer to Safety Data Sheet. KEEP OUT OF REACH OF CHILDREN.

CRYSTARM®

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WARRANTY: The Manufacturer warrants that the products manufactured by it conform to the formulation standards contained in all components in their proper proportion and are free from material defects. If any of the products are found to be defective the subsequent liability to The Manufacturer shall be limited only to the replacement of the product proven to be defective and shall not be liable for any other claim or for incidental or any consequential damages that may arise directly or indirectly with the said defective product. The user shall determine the suitability of the product for its intended use and the user assumes all liability in connection therein and The Manufacturer shall not be liable save for terms of this warranty.