

**EUROSEAL PT**  
**SWELLING TAPE**

**Product Properties:**

- ensures permanent form stability
- increases its volume in contact with water
- fills voids and ruptures in concrete
- flexible
- the swelling and shrinking process is reversible
- chemically resistant (for most compounds found in the natural environment)
- high tensile resistance (extensibility in compression and tension)
- resistant to sea water environment
- resistant to compounds found in a polluted environment (sewage treatment plants, biogas plants, etc.)

**Product application:**

- sealing working joints and expansion joints
- in 'white tubs', in foundation slabs
- in structures made of concrete and reinforced concrete (with moisture and water under pressure)
- in prefabricated elements
- at pipe crossings and joints in tubing

**Special properties:**

The EUROSEAL PT tape, in contact with water, swells in three dimensions. There is an increase in weight and volume. It fills voids and irregularities near construction joints. The expansion pressure ensures sealing. Swelling occurs about 7 days after contact with water or pouring concrete. EUROSEAL PTP is able to fill any deformation in the cross-section of the construction joint resulting from the contraction of concrete thanks to the expanding properties obtained by swelling. The swelling occurs when the new concrete is already properly cured. Thanks to this, the construction joint and concrete edges are not deformed or damaged. The Polymer Swelling Tape (PTP) achieves an increase in volume (after contact with water) by 300-400%. The natural amount of moisture in the concrete is sufficient to ensure a constant level of swelling of the tape. The EUROSEAL PTP tape is resistant to vegetable fats, oils and minerals.

**Application:**

Before applying the tape, the base should be clean, stable and degreased. Particular attention should be paid to the fact that the surface on which the tape will be placed is level. There should be no residues on formwork (oil), cement lotion or corroded concrete elements (cracked, with scratches) on it. Ice, standing water or cement mortar should be removed. The tape should be placed in the middle of the construction joint. There must be a minimum 10 cm from the edge of the concrete (on the water pressure side). In the case of construction joints with a width of more than 60 cm, the distance from the edge should be 25 cm (on the water pressure side). The swelling tape is fastened with steel nails (sticking them every 15 cm) or glued with a suitable mounting adhesive. The tape should be placed in a way that ensures full adhesion to the substrate. It should not move in any direction. If for some reason it is not possible to fasten the tape by nailing (the reinforcement mesh prevents proper access or the elements are metallic) appropriate mounting adhesive should be used. It is very important to maintain continuity of assembly when mounting the tape. When you want to connect two tapes, they should be placed next to each other so that they overlap laterally by 5 - 10 cm. (Fig. 1). The straps should be assembled as late as possible (just before concreting). During this period, they should be protected against rain, snow and long-term sunshine. If the tape begins to swell, it should be replaced.

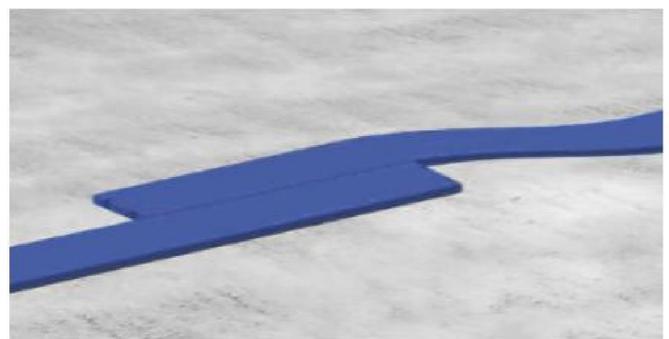


Fig. 1

[www.euroseal.pl](http://www.euroseal.pl)

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When joining circular elements, care must be taken to ensure that the tape adheres exactly to the surface being glued. As in the case of combining two tapes (Fig. 1), it should be placed next to each other so that it overlaps laterally by 5 - 10 cm. (Fig 1)

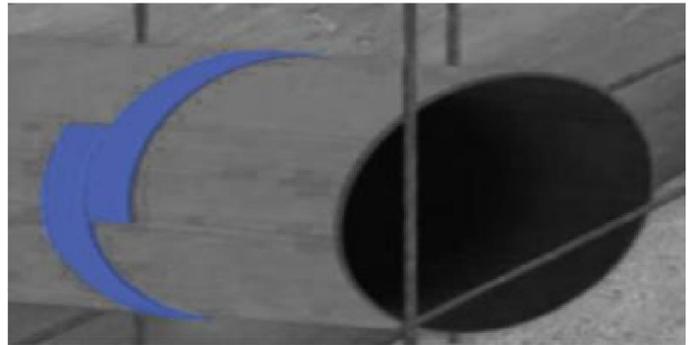


Fig. 2

If you want to connect corner elements on a horizontal surface, one of the sections of the tape should lead to the side edge of the other. Ensure that one end of the joint connects about 5 cm before the end of the other (Fig. 3).

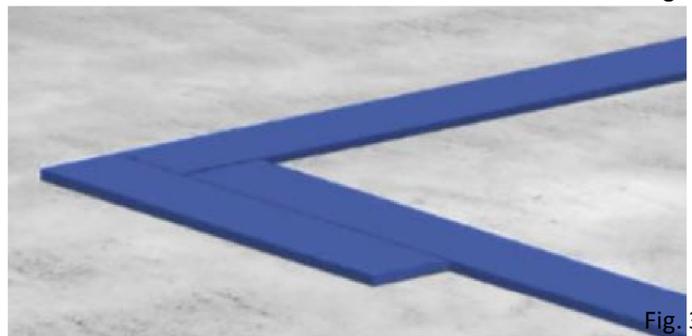


Fig. 3

When joining vertical and horizontal elements, attention should be paid to ensure that each of them is tight. Tapes should reach each other head-on.

**Storage:**

EUROSEAL PT tapes should be stored in original packaging, in dry rooms, away from heating devices. Ensure storage safety and invariability of the product's technical properties.



**Package:**

Section – 20 mm x 5 mm  
Length – 50 meters in length

