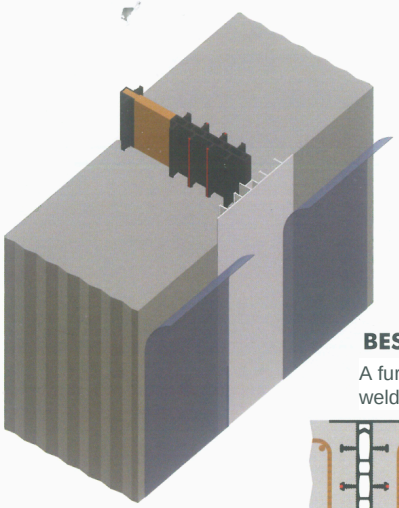
BESAPLAST®
KUNSTSTOFFE GmbH



DAT
Waterstops for underground construction

BESAPLAST® Kunststoffe GmbH

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Edition 01/19 · English adaptation



The DAT series provides a watertight seal against water pressure on the tunnel interior, without affecting the reinforcement and with minimal formwork.

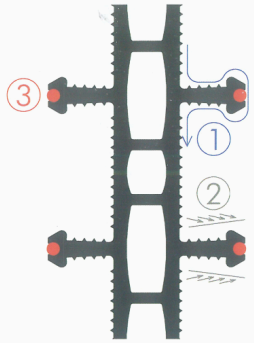
Air release at the tunnel crown

Unplanned remedial injection work remains common in tunnel construction, particularly at the crown. This results from poor air release during concreting around connecting waterstops. Our much narrower design substantially reduces this risk.

The DAT series can also provide the sole watertight seal against water pressure on the tunnel interior.

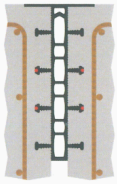
Triple sealing system

1. Uses the labyrinth principle, proven over decades.
2. The wedge-shaped barrier ribs familiar from our V series increase sealing effectiveness as tensile loading rises.
3. Integrated swelling cords activate at higher hydrostatic pressure.



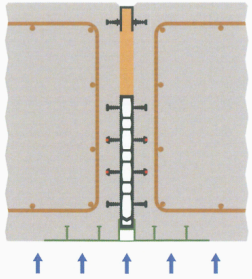
BESAPLAST® DAT 290T

A further option with integrated welding flanges.



Plastic waterproofing membrane

Compatible external waterstops connect the system to plastic waterproofing membranes. The much narrower design allows the membranes to be machine-welded. Compartmentalisation between adjacent blocks is maintained.



Jointing

When systems are delivered in sections, butt joints can be made on site using BESAPLAST accessories.

Complete or partial systems are manufactured at the factory for rapid installation on site.

BESAPLAST® DAT 230

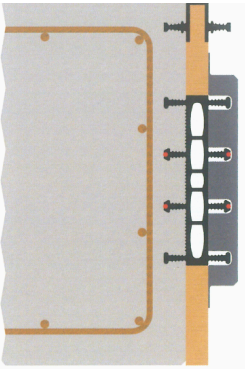
The centrally positioned version provides a direct and reliable seal against water pressure. Compared with conventional internal waterstops, reinforcement placement is considerably simpler and more economical.

BESAPLAST® DAT 290

The eccentric version incorporates an additional compression deformation chamber, which also ensures the required edge clearance. It can optionally be combined with connecting waterstops for plastic waterproofing membranes.

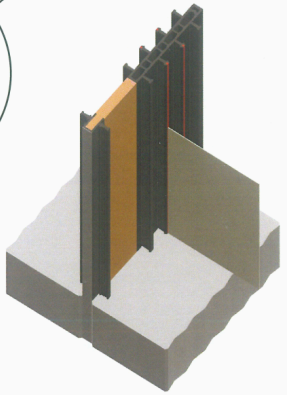
Installation

The mounting and protection rail provides robust fastening.



Construction joint connection

Factory-vulcanised weld-on steel plates provide a continuous transition to the construction-joint seal.



English technical edition