

# BENFELT STRIP

## Standard Bentonite Waterstop Tape

With General Building Code Test Certificate (abP)

### Product

BENFELT STRIP is a technically matured and moreover very well-priced swellable bentonite joint-sealing tape with crystallisation additives (patented).

BENFELT STRIP is used as a waterstop in concrete construction joints. BENFELT STRIP is tested and approved **up to 7 bar water pressure**. BENFELT STRIP is also tested for use in changing water tables.



### BENFELT STRIP

The swellable bentonite waterstop tape consists of bentonite embedded in a matrix of highly molecular polyisobutylene caoutchouc and special fillers and crystalline admixtures (patented composition).

Supplied as a robust strip, BENFELT STRIP is simply fastened onto an existing joint face before the next concrete pour. Any subsequent water leakage through the joint activates the BENFELT STRIP, which takes up leaking water and swells. This swelling action expands the product into the water flow paths (active self-injecting process) and effectively seals against water leakage through the cold joint.

### Features

Compared with any other traditional joint sealants (PVC joint-sealing tape, joint-sealing sheets, etc.), BENFELT STRIP is quite economical and reliable, because

- Sources of errors are reduced to minimum
- The best ratio of price and performance is assured

### Application

BENFELT STRIP shall be placed only in in-situ concrete constructions because the swellable bentonite waterstop tape shall be completely covered on all sides by concrete (min. 8 cm concrete cover are required) to make sure that the swelling sealing pressure can be built up.

### Advantages

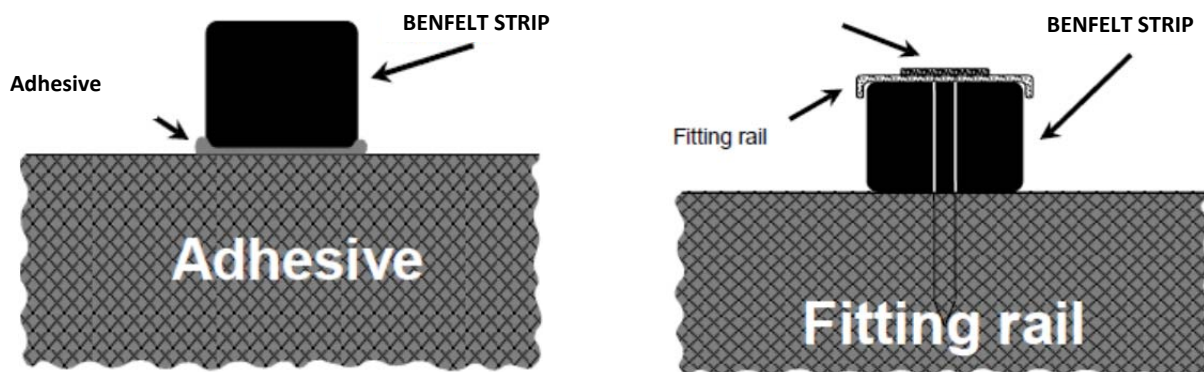
- BENFELT STRIP seals in **two phases**:
  - **First phase:** sealing by immediate swelling
  - **Second phase:** sealing by crystallisation
- Self-injecting effect, that is to say penetration into any cracks and cavities.
- Swelling and shrinkage are infinitely reversible
- Dimensionally extremely stable, not sticky, not even at high temperatures in summer-time
- High mineral portion, hence no fatigue of materials: Sodium-bentonite reacts even after decades of having been incorporated
- No negative influence on the successful building site routine



## Technical Data

	BENFELT STRIP
<b>Shape:</b>	swellable profile rectangular and flexible
<b>Colour:</b>	black / dark grey
<b>Dimensions:</b>	20 x 25 mm
<b>Coating:</b>	talcum treated
<b>Weight:</b>	730 g/m
<b>Toxicity:</b>	non-toxic

## Fitting



## Form of Delivery/Storage

Type	Size	Colour	Length	Packing/Carton	Cartons/Pallet
BENFELT STRIP	20 x 25 mm	black	5 m	6 pcs	30 cartons = 900 m

Shelf life: 5 years, when stored protected constantly against frost and weather conditions.  
 BENFELT STRIP bentonite waterstop is a unique, patented technology made in Germany.

