

QUELLMAX® Blackstop

Standard Bentonite Waterstop Tape

With General Building Code Test Certificate (abP)

Product

QUELLMAX Blackstop is a technically matured and moreover very well-priced swellable bentonite joint-sealing tape with crystallisation additives (patented). QUELLMAX is used as a waterstop in concrete construction joints. QUELLMAX is tested and approved **up to 7 bar water pressure**. QUELLMAX is also tested for use in changing water tables.



QUELLMAX

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, QUELLMAX is simply fastened onto an existing joint face before the next concrete pour. Any subsequent water leakage through the joint activates the QUELLMAX, 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.), QUELLMAX Blackstop is quite economical and reliable, because

- sources of errors are reduced to minimum
- the best ratio of price and performance is assured

Application

QUELLMAX 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

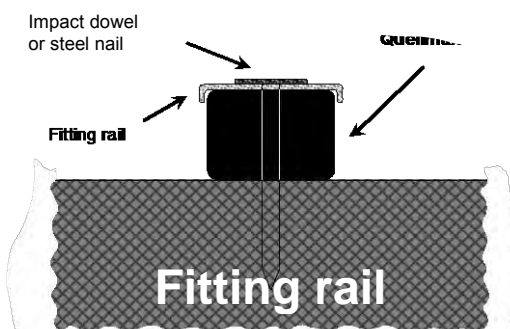
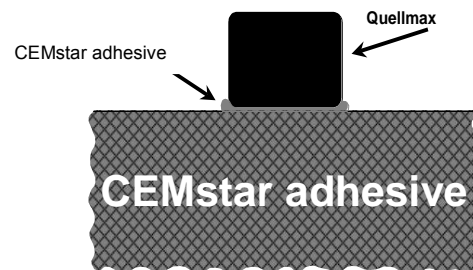
- QUELLMAX seals in **two phases**:
-First phase: sealing by immediate swelling
-Second phase: sealing by crystallisation
- Great swelling capacity (> 300 %)

- Easy handling
- No time-consuming setting on edges
- 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

	QUELLMAX Blackstop
Shape:	Swellable profile rectangular and flexible
Colour:	black / dark grey
Dimensions:	18 x 24 mm 16 x 21 mm 10 x 20 mm
Coating:	talcum treated
Weight:	730 g/m or 570 g/m
Toxicity:	Non-toxic

Fitting



Form of Delivery / Storage

Roll of 5 m, box of 20 m, pallet of 720 m
 Shelf life: 5 years, when stored protected constantly against frost and weather conditions.

QUELLMAX bentonite waterstop is a unique, patented technology **made in Germany**.

Installation of QUELLMAX®

Guideline how to install bentonite waterstop tapes in the correct way!

Installation of QUELLMAX -with fitting rail-

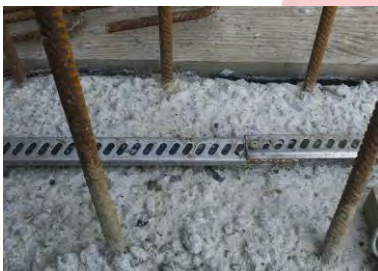
The underlay must be clean, free from loose matter and as level as possible.

The swellable bentonite waterstop tape should have perfect contact throughout to the underground.
Minimum 8 cm of concrete cover is required!

The QUELLMAX tape may be laid in lengths of 5m (standard length) in the middle of the wall.
Then use the fitting rail to fasten the waterstop tape.



The QUELLMAX should preferably be fastened by the fitting rail and steel nails or impact dowels.
(3 steel nails or impact dowels per meter are required)



Accessory -fitting rail-



Fitting rail with regular hole
1 m length; 20 m / bundle
Minimum 3 steel nails / impact dowels per meter are required

Fitting bars / mesh or net
1 m length; 40 m / box
Minimum 4 steel nails / impact dowels per meter are required

Installation of QUELLMAX -with CEMstar adhesive-

The underground must be clean, free from loose matter and as level as possible.

Use the adhesive in the middle of the wall. QUELLMAX may be laid on top of the adhesive. Minimum 8 cm of concrete cover is required!



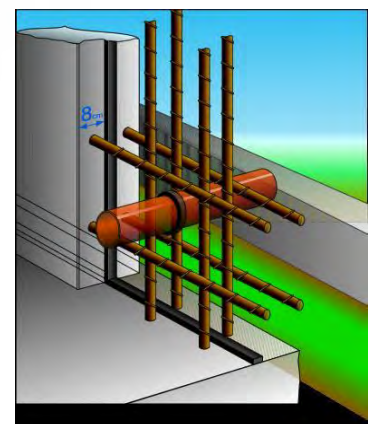
QUELLMAX has to be firmly pushed onto the floor.



Accessory -CEMstar adhesive-



300 ml / cartridge
20 cartridges / box



CEMstar adhesive and joint filler is a unique technology
made in Germany.