

QUELLMAX® Plus

Bentonite Waterstop Tape with Patented Rain Protection

With General Building Code Test Certificate (abP)

Product

QUELLMAX Plus is a technically matured and moreover very price worthy swellable bentonite joint-sealing tape with crystallisation additives. QUELLMAX is used as a waterstop in concrete construction joints. QUELLMAX is **tested up to 7 bar water pressure**.



QUELLMAX Plus

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).

Contact with rain or general site water will not activate the product, but when QUELLMAX Plus is covered by concrete, the alkaline environment breaks down the coating and the QUELLMAX Plus will then be activated by leak water.

Features

QUELLMAX Plus is the only swellable bentonite joint-sealing tape that can be used without any compromise, because

- QUELLMAX Plus can be installed independently of any weather condition, that means no unwanted swelling during installation (rain-protection)
- Patented coating delays swelling from contact with water of 72 hours.

Application

QUELLMAX Plus should be placed in in-situ concrete constructions because the swellable bentonite waterstop tape will 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

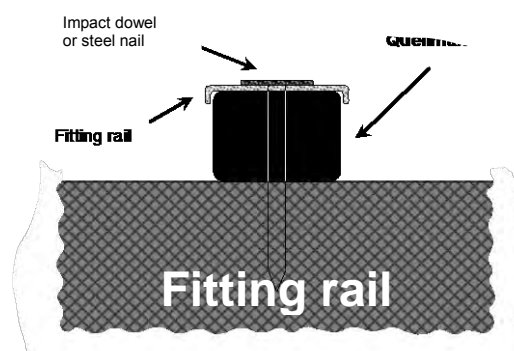
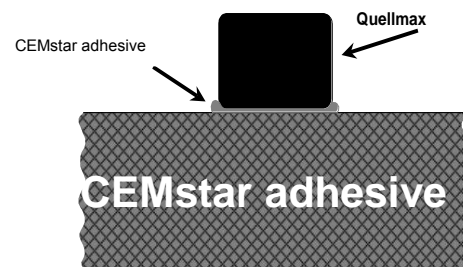
- QUELLMAX Plus seals in **two phases**:
-First phase: sealing by immediate swelling
-Second phase: sealing by crystallisation
- Great swelling capacity (> 300 %)
- Easy Handling

- No time-consuming setting on edges
- Self injecting effect, that is to say penetration into any cracks and cavities because of a powerful swelling. Second sealing process by concrete crystallisation
- Swelling and shrinkage are infinitely reversible
- Dimensionally extremely stable, not sticky, even at high temperatures in summer
- High mineral portion, hence no fatigue of materials: Sodium-bentonite reacts even decades after having been incorporated
- No negative influence on the successful building-site routine

Technical Data

	QUELLMAX Plus
Shape:	Swellable profile rectangular and flexible
Colour:	black / dark grey
Dimensions:	18 x 24 mm 16 x 21 mm
Coating:	patented rain protection
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-

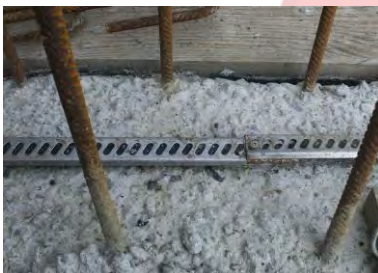
The underlay must be clean, free from loose matter and as level as possible.

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!



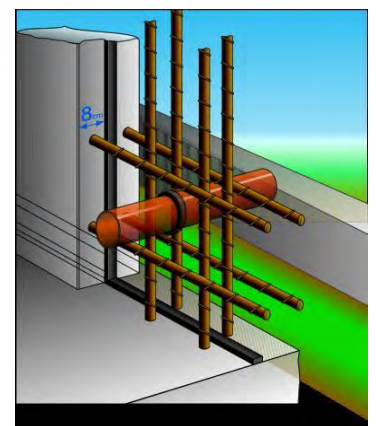
QUELLMAX has to be firmly pushed onto the floor.



Accessory -CEMstar adhesive-



300 ml / cartridge
20 cartridges / box



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