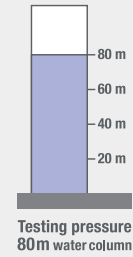


Mastertec EasySeal 1K



 YouTube
INSTALLATION
FILM

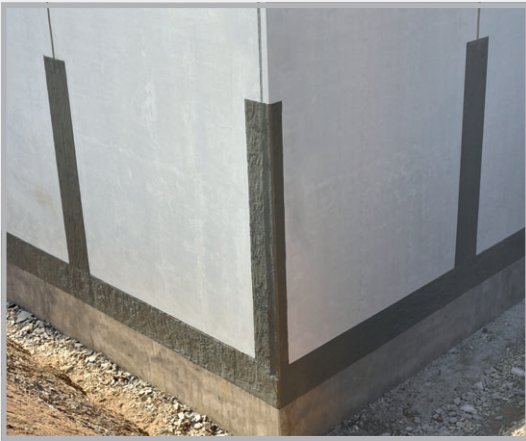
One-component, solvent-free, water-free and bitumen-free structural waterproofing

With high-pressure test for the external, strip-shaped waterproofing of precast walls



- International high-pressure test up to 80 m water column with a crack width of up to 3 mm
- Tested in accordance with the recent guideline for water-tight structures
- General Building Supervisory Test Certificate

Product description



Mastertec EasySeal 1K is one of the most modern and effective external waterproofing products for water-tight structures. Modified polymers form the basis for the product. They have an extremely high adhesive force on multiple substrates and are thus the prerequisite for high-pressure waterproofing. Application is simple, quick and cost-efficient.



Product characteristics

- Modified one-component polymer
- Colour grey
- Solvent-free, water-free and bitumen-free
- Neutral odour
- Very low emissions
- Water hazard class 1 – low hazard to water
- Storable for 12 months frost-free

Technical data

Testing: High-pressure
80 m water column

Crack width: up to 3 mm

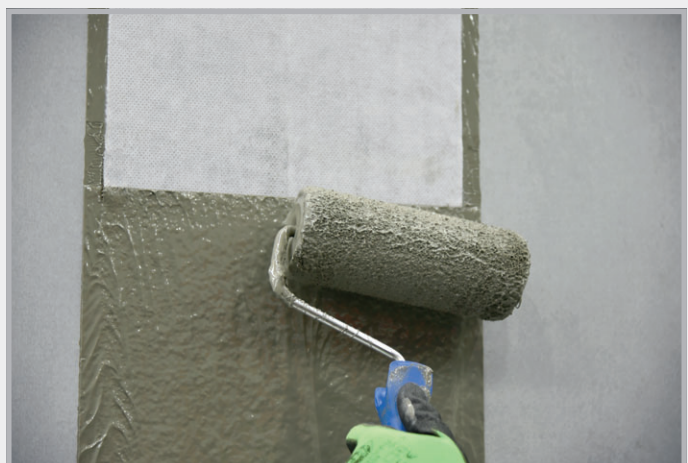
Application temperature: 0°C to +35°C

Component temperature: min. +2°C

Rain-proof: immediately at +20°C
At lower temperatures
after approximately 3 hours

Completely dry: after approximately 24 hours at +20°C and 50% relative air humidity
The setting time may be longer at lower temperatures and lower air humidity.

Usage: approx. 1.20 kg/m² with 2 layers and a coating width of approx. 32 cm;
layer thickness: approx. 1.2 mm per coating layer



Application

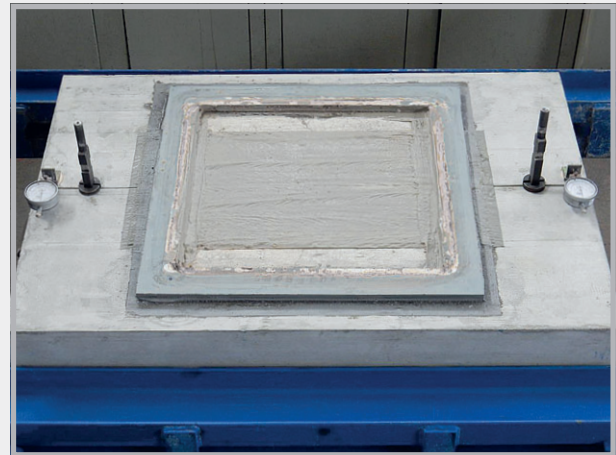
- Immediately ready for processing on a clean substrate from the bucket without mixing
- Suitable for brushing or rolling on
- Also adheres to slightly damp substrate
- Structure:
 - a) First layer of Mastertec EasySeal 1K
 - b) Rolling in of the Mastertec EasySeal 1K non-woven
 - c) Covering layer of Mastertec EasySeal 1K after approximately 2 – 3 hours
- The construction site can usually be completed in a single day. No second visit required.



Tests and resistance



Here you see the specimen after the initial test with a joint width of 1 mm. The joint is widened to 3 mm by driving in wedges.



Specimen with joint widened to 3 mm. After widening the joint, the pressure vessel was fitted and pressurised with 8 bar.

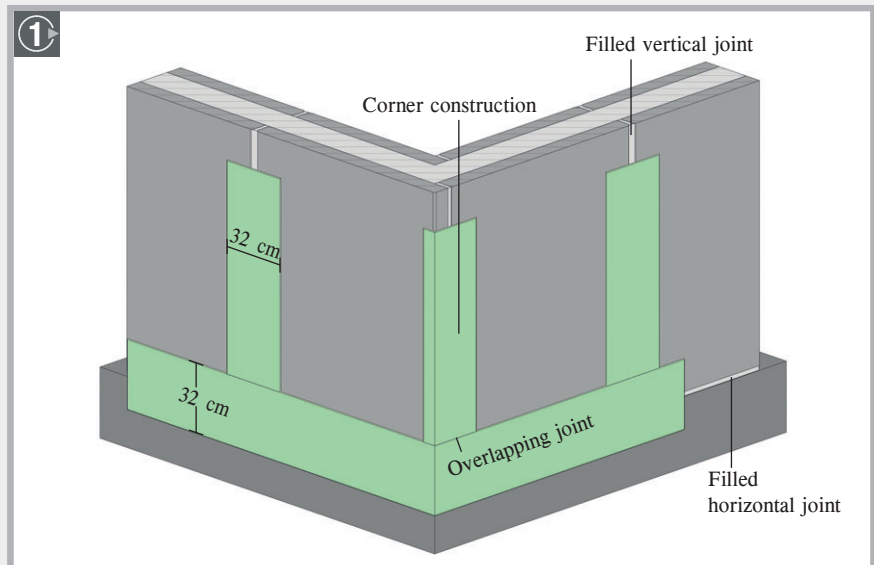
- Test pressure 80 m water column
- Crack width 3 mm
- Very good UV resistance
- Very good resistance to alkali
- Bitumen-compatible
- Resistant to common liquids which are aggressive to concrete
- Weatherproof

Installation of Mastertec EasySeal 1K

Mastertec EasySeal 1K

Joint ①

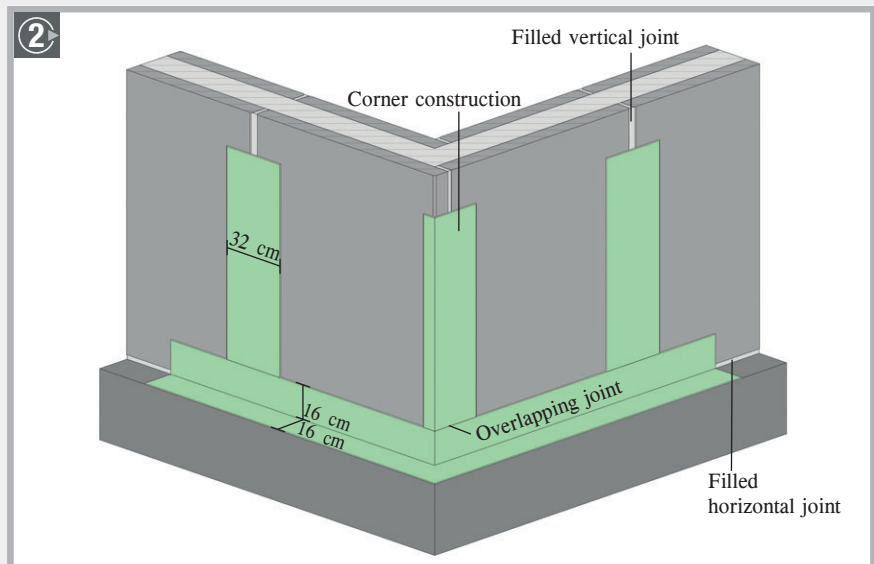
Foundation/wall connection without fillet



Mastertec EasySeal 1K

Joint ②

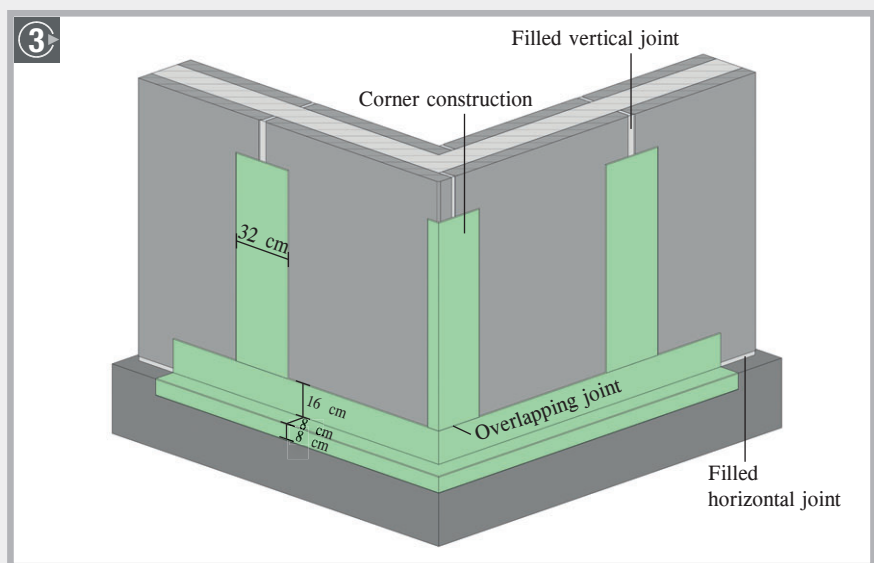
Foundation/wall connection with wide fillet



Mastertec EasySeal 1K

Joint ③

Foundation/wall connection with narrow fillet



Every overlapping joint must be implemented with an overlap length of the non-woven webs of at least 10 cm. If the joints cross (T or cross joint), the vertical butt joints have to be sealed first. The seal on the horizontal joints then overlays the overlap area of the vertical joint.

Application of Mastertec EasySeal 1K

Preparing the joint and the non-woven



The vertical joints of the components are filled and the surface is cleaned to remove any loose parts before coating.

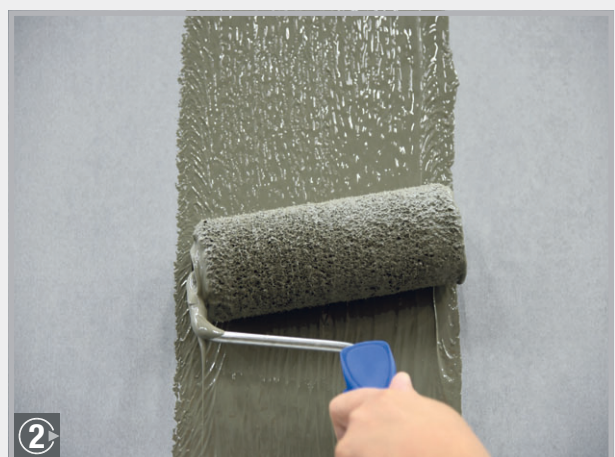


The joint is coated to a width of approximately 32 cm.
The non-woven can be cut to the desired length.

Coating work



Open the bags and pour the coating into the bucket.



Apply the first coating layer.
Layer thickness: approximately 1.2 mm
Usage: approximately 0.6 kg per metre/joint

Coating work



There is a brush and corner roller for the fillet and other areas.



Align and gently press on the non-woven.



Roll the non-woven into the coating completely with the pressure roller.
This step makes it possible to apply the second layer after approximately 2 – 3 hours, depending on the temperature and air humidity.



Apply the second coating layer.
Layer thickness: approximately 1.2 mm
Usage: approximately 0.6 kg per metre/joint
The edge area of the non-woven must be completely covered.

At the construction site

Sealed horizontal and vertical joints





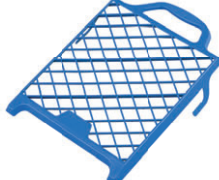





Sealed horizontal joint



Mastertec EasySeal 1K product range



| Art. no. | Description | Packaging | Weight kg | |
|----------|--|--|------------------|---|
| 050100 | Mastertec EasySeal 1K One-component high-pressure waterproofing 14 kg bucket | 14 kg bucket (2 bags of 7 kg each) 30 buckets per pallet | 14.90 |  |
| 050110 | Mastertec EasySeal 1K non-woven Roll length 100 m Roll width 0.3 m | 1 | 3.80 per roll |  |
| 050120 | Mastertec EasySeal 1K special roller Width 18 cm <i>Professional quality</i> | 1 | 0.10 |  |
| 050130 | Mastertec EasySeal 1K roller frame <i>Professional quality</i> | 1 | 0.20 |  |
| 050140 | Mastertec EasySeal 1K roller grid size: 24 x 22 cm <i>Professional quality</i> | 1 | 0.05 |  |
| 050150 | Mastertec EasySeal 1K corner roller <i>Professional quality</i> | 1 | 0.21 |  |
| 050160 | Mastertec EasySeal 1K professional brush Width 50 mm <i>Professional quality</i> | 1 | 0.12 |  |
| 050170 | Mastertec EasySeal 1K pressure roller Width 15 cm <i>Professional quality</i> | 1 | 0.19 |  |