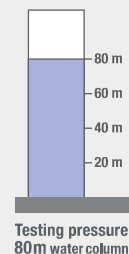


# Mastertec EasySeal 1K



**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
- Protect from frost during shipping

## Technical data

<b>Testing:</b>	High-pressure 80 m water column
<b>Crack width:</b>	up to 3 mm
<b>Application temperature:</b>	0°C to +35°C
<b>Component temperature:</b>	min. +2°C
<b>Heat resistance:</b>	up to +70 °C
<b>Rain-proof:</b>	immediately at +20°C At lower temperatures after approximately 3 hours
<b>Completely dry:</b>	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.
<b>Usage:</b>	approx. 1.20 kg/m with 2 layers and a coating width of approx. 32 cm; layer thickness: approx. 1.2 mm per coating layer





# Application

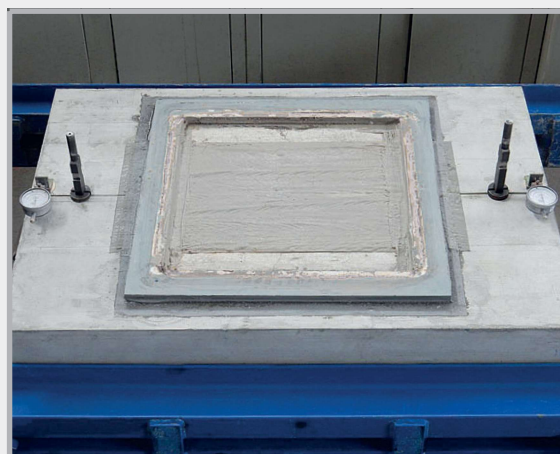
- Immediately ready for processing on a clean substrate from the bucket without mixing
- Suitable for brushing or rolling on
- Also adheres to slightly damp substrate
- Structure:
  - a) First layer of Mastertec EasySeal 1K
  - b) Rolling in of the Mastertec EasySeal 1K non-woven
  - c) Covering layer 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
- Good UV resistance
- Very good resistance to alkali
- Bitumen compatible: Can be applied on bitumen or polymer-modified thick coatings. The substrate must be such as to enable adhesion.
- Resistant to common liquids which are aggressive to concrete
- Weatherproof
- Recoatable with insulation (fixing with insulating adhesive)
- Prior to filling the external waterproofing needs to be protected against mechanical damage.

### **Mastertec EasySeal 1K can be recoated with a plinth plaster under the following conditions:**

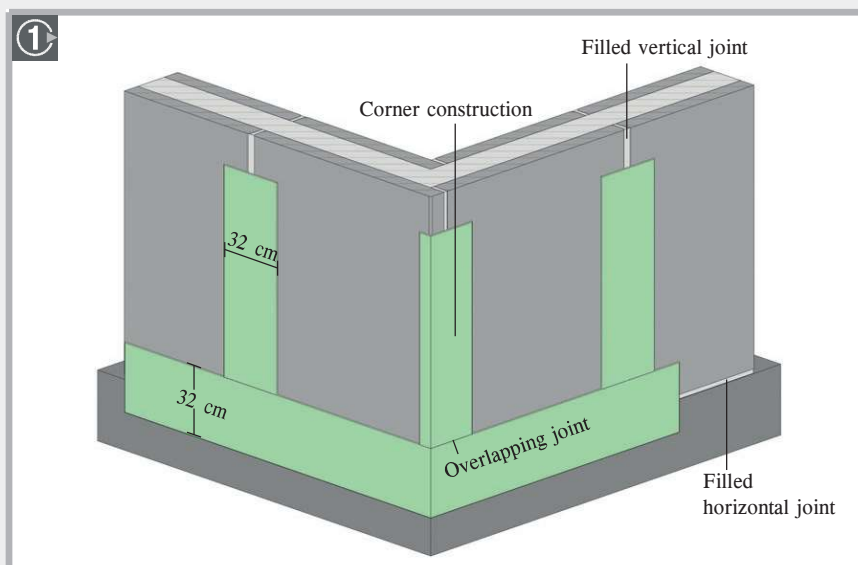
- Transition area: 15 – 20 cm above and below the edge of the terrain
- These 30 – 40 cm must be coated with a thin layer of Mastertec EasySeal 1K and sprinkled over the complete surface with quartz sand.
- Tile adhesive can be used as primer/plaster base. Application using a toothed spatula, 6 – 8 mm toothing
- For crack reduction in the transition area, the plinth plaster must be reinforced by an appropriate fabric.

# Installation of Mastertec EasySeal 1K

## Mastertec EasySeal 1K

### Joint ①

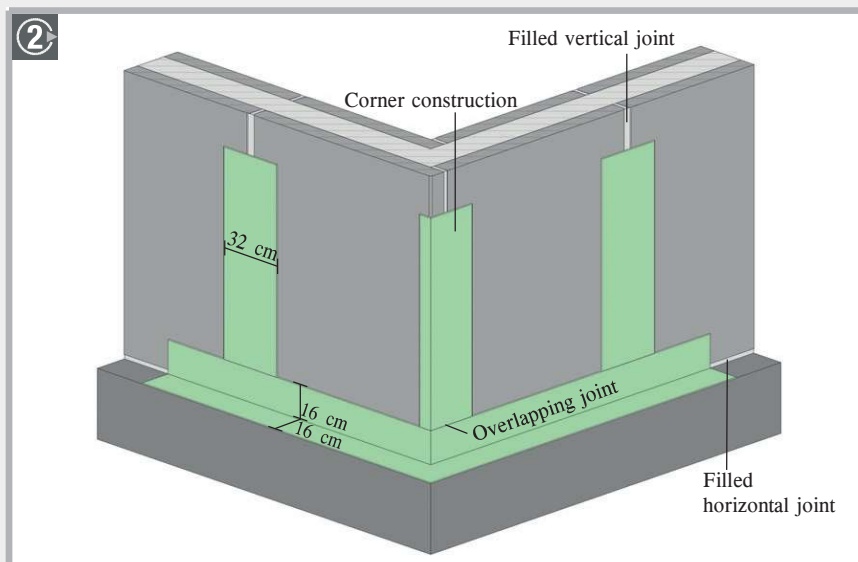
Foundation/wall connection  
without fillet



## Mastertec EasySeal 1K

### Joint ②

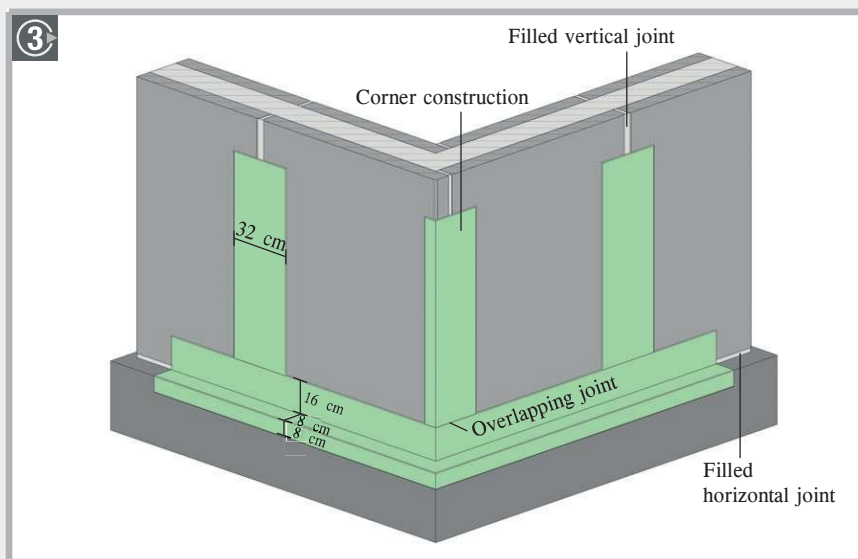
Foundation/wall connection  
with wide fillet



## 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.

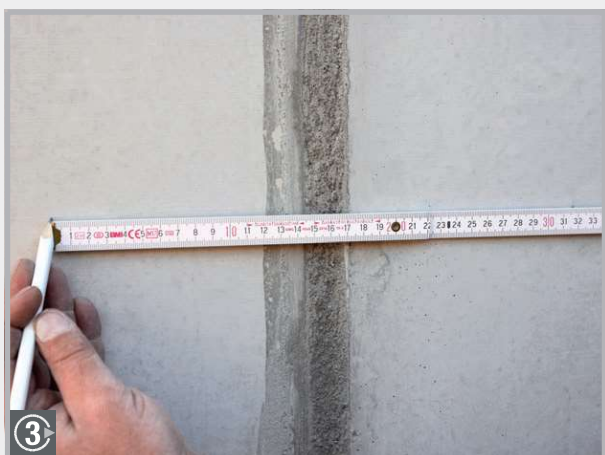
# Application of Mastertec EasySeal 1K

## Preparing the joint and the non-woven

Only use  
our application tools !



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



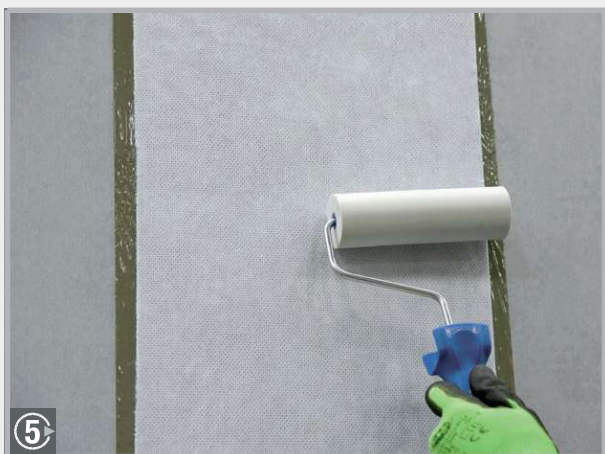
# Coating work



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



Only use  
our application tools !

Sealed horizontal and  
vertical joints









Sealed horizontal joint



## Mastertec EasySeal 1K product range



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