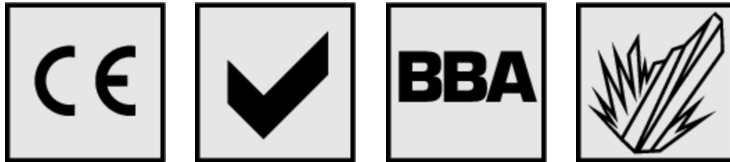


# BETOCRETE®-CP360-WP



Crystalline waterproofing admixture with hydrophobic properties



Material number	Contents	Unit of quantity	Packaging	Colour
206446003	700	KG	BigBag	Grey
206446002	17	KG	Bag	Grey
206446004	3	KG	Bag (water soluble)	Grey

## Product features

- Powder
- Increased active crack healing in concrete
- Sealant in accordance with DIN EN 934-2: Table 9
- Improves frost resistance and resistance to thaw
- Reduced chloride ion migration
- Suitable for drinking water per DVGW worksheet W-347 and W-270
- watertight concrete sealing system in accordance with BBA

## Advantages

- Crack healing of surface and continuous cracks up to 0.4 mm possible
- Sealant reduces water absorption immediately
- Lower water input means lower input of concrete-damaging substances
- Increase durability of concrete component
- Minimisation of concrete servicing and maintenance costs

# BETOCRETE®-CP360-WP

## Areas of application

- For the integral crystalline waterproofing of concrete structures
- For foundations and watertight concrete components
- For economic, commercial, sports facilities and housing construction
- For infrastructure, water and wastewater structures
- For in-situ concrete, pre-cast concrete components and shotcrete
- BETOCRETE-CL210-WP shows the highest efficacy in exposure class XS

## Technical Data

### Material properties

Bulk density	approx. 0.8 cm <sup>3</sup>
Alkali content (Na <sub>2</sub> O equivalent)	≤ 21 percentage by weight
Chloride content	≤ 0.1 %
Water pollution class (WGK)	1 (Selbststufung)

### Mixing

Mixing time	approx. 45 seconds
Mixing time, mixer truck (transport concrete)	approx. 1 minutes per m <sup>3</sup>

### Application

Application temperature	min. 5 °C
Recommended dosing in regards to cement	approx. 0.75 - 1.25 percentage by weight

## Material consumption

Material consumption rate according to the area of application

The following dosing levels have proven to be successful:

w/c ratio	Dosing level
< 0.4	0.75 % relative to CEM
> 0.4-0.5	0.80 % relative to CEM
> 0.5-0.55	0.90 % relative to CEM

Do not exceed the max. dosing level of 1.25% relative to CEM.  
 For a cement content of ≥400 kg/m<sup>3</sup>, a dosing level of 3.50 kg/m<sup>3</sup> is sufficient.

### Additional technical notes

Requirement for the concrete		
Minimum cement content in kg/m <sup>3</sup>	CEM I	270
	CEM II	290
	CEM III/A	380
	CEM III/B	400
Minimum quantities of binders/mixtures in kg/m <sup>3</sup>	Portland cement	270
	Portland cement ≤ 35 % mixed with blast furnace slag, fly ash or pozzolans	290
	Portland cement ≤ 50 % mixed with blast furnace slag	380
Maximum additions to the binder in kg/m <sup>3</sup>	Blast furnace slag	100
	Fly ash	80

# BETOCRETE<sup>®</sup>-CP360-WP

## Usage

### Dosing in concrete plant

1. BETOCRETE<sup>®</sup>-CP360-WP must be dosed onto the aggregates and mixed for at least 30 seconds before adding the water and cement.
2. Then readily mix for at least 45 seconds until usable.

### Dosing in mixer truck

1. BETOCRETE<sup>®</sup>-CP360-WP is dosed directly into the mixing drum of the vehicle.
2. The mixing time must be ca. 1 Minuten pro m<sup>3</sup> drum content (however, at least 5 minutes).

## Storage conditions

### Storage

Cool, dry, protected from sunlight. Min. 12 months in the original container. Promptly use opened container.

## Disposal

Product leftovers can be disposed of in accordance with disposal code AW 17 01 07.

## Notes

- BETOCRETE<sup>®</sup>-CP360-WP modified concretes may have crystals on the surface, depending on the composition.
- Concrete with BETOCRETE<sup>®</sup>-CP360-WP must be produced, applied and post-treated in accordance with the currently valid standards.
- Lignite fly ash is only of limited suitability.
- The crack expansion limitations must be complied with by the planner/engineer/structural engineer. Contrary designs must be verified after the corresponding verification and suitability!
- In rare cases, BETOCRETE<sup>®</sup>-CP360-WP can influence the solidification behaviour of the concrete. As a system-compatible product, RUXOLITH-T5 (VZ) is available for controlling the concrete.
- Before applying BETOCRETE<sup>®</sup>-CP360-WP, even with other types of additives, preliminary tests must be carried out in accordance with the valid standards.
- The use of CEM III/C cements is prohibited.
- When using water-soluble paper bags, the water demand may increase.
- Except for XA3 in accordance with DIN EN 206-1/DIN 1045-2

GISCODE: BZM40

## Annotations

### Conformity / Declaration / Verification

	
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 · 32760 Detmold, Germany 17 2 06446	
EN 934-2 <b>BETOCRETE-CP360-WP</b> Sealant for concrete EN 934-2:T9	
Chloride content	max. 0.10 M.-%
Alkali content	max. 21.0 M.-%
Corrosion behaviour	Only contains components per EN 934-1:2008, Annex A.1
Compressive strength	Satisfied
Capillary water absorption	Satisfied
Air content	Satisfied
Hazardous substances	NPD

NPD = "No Performance Determined"

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