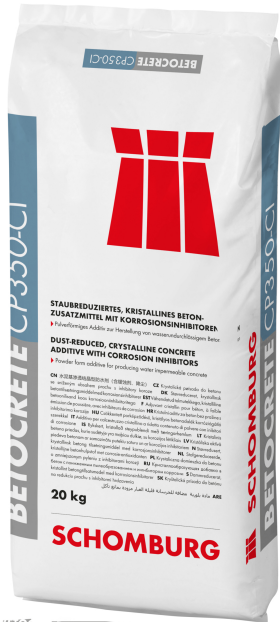


BETOCRETE®-CP350-CI

Concrete admixture with crystalline effect and corrosion inhibitor



Material number	Contents	Unit of quantity	Packaging	Colour
206456001	20	KG	Bag	Grey
206456002	3	KG	Bag (water soluble)	Grey

Product features

- Powder
- Increased active crack healing in concrete
- Corrosion inhibiting effect
- Improves frost resistance and resistance to thaw
- Reduced chloride ion migration
- Suitable for drinking water per DVGW worksheet W-347 and W-270

Advantages

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

BETOCRETE[®]-CP350-CI

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
- Except for XA3 in accordance with DIN EN 206-1/DIN 1045-2
- BETOCRETE-CL210-WP shows the highest efficacy in exposure class XS

Technical Data

Material properties

Bulk density	approx. 1.12 cm ³
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Mixing

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

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	0.95 % relative to CEM

Do not exceed the max. dosing level of 1.25% relative to CEM.
For a cement content of ≥400 kg/m³, a dosing level of 3.50 kg/m³ is sufficient.

Additional technical notes

Requirement for the concrete		
Minimum cement content in kg/m ³	CEM I	270
	CEM II	290
	CEM III/A	380
Minimum quantities of binders/mixtures in kg/m ³	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 ³	Blast furnace slag	100
	Fly ash	80

BETOCRETE[®]-CP350-CI

Usage

Dosing in concrete plant

1. BETOCRETE[®]-CP350-CI 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[®]-CP350-CI is dosed directly into the mixing drum of the vehicle.
2. The mixing time must be ca. 1 Minuten pro m³ drum content (however, at least 5 minutes).

Storage conditions

Storage

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

Disposal

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

Notes

- BETOCRETE[®]-CP350-CI modified concretes may have crystals on the surface, depending on the composition.
- Before applying BETOCRETE[®]-CP350-CI, even with other types of additives, preliminary tests must be carried out in accordance with the valid standards.
- Lignite fly ash is only of limited suitability.
- The use of CEM III/B&C cements is prohibited.
- The crack expansion limitations must be complied with by the planner/engineer/structural engineer under any circumstances. Contrary designs must be verified after the corresponding verification and suitability!
- Concrete with BETOCRETE[®]-CP350-CI must be produced, applied and post-treated in accordance with the currently valid standards.
- In rare cases, BETOCRETE[®]-CP350-CI can influence the solidification behaviour of the concrete. As a system-compatible product, RUXOLITH-T5 (VZ) is available for controlling the concrete.

GISCODE: BZM40

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