

ASOCRET-HS-FLEX

Flexible contact / bonding slurries and corrosion protection



Material number	Contents	Unit of quantity	Packaging	Colour
206660001	25	KG	Bag	Grey

Areas of application

- As a cementitious bond coat on concrete substrates and repair mortars
- As corrosive protection for exposed and abraded reinforcement bars
- As a bond coat in concrete restoration
- As a contact and bonding slurry for laying tiles and boards with the thick-bed method.
- as a bond coat for CT-bonded screeds
- For walls, ceilings, floors
- for interior and exterior use

Product features

- Cement-based fine mortar (PCC)
- CE after DIN EN 1504-07
- Polymer modified
- Improved adhesion
- Corrosion protection
- Highly durable
- water resistant

ASOCRET-HS-FLEX

Advantages

- Frost proof and resistant to thaw
- Easy application
- Saponification resistant

Technical Data

Material properties

Product components	1 component system
Base material	Pre-blended dry mortar
Consistency	Flowable mortar
Grain size max	< 0.5 mm
Tensile adhesion strength DIN EN 1542	≥ 1.5 N/mm ²

Mixing

Mixing time	approx. 3 minutes
Water addition	Corrosion protection: approx. 5.5 - 5.75 l / 25 kg or 1.3 - 1.4 l / 6 kg Bond coat: approx. 6.75 - 7.0 l / 25 kg or 1.6 - 1.7 l / 6 kg Contact and bonding slurry: approx. 6.75 - 7.5 l / 25 kg or 1.6 - 1.8 l / 6 kg
Water addition (percentage)	from 22 % to 30 %

Application

Substrate/application temperature	approx. 5 - 30 °C
Pot life	approx. 60 minutes
Method of application, max. layer thickness per application step	approx. 1 mm
Consumption pro m ² and mm layer thickness	approx. 1.6 kg
Consumption	Approx. 1-2 kg/m ² as a bond coat: approx. 1.5 kg/m ² per mm layer thickness as corrosion protection: approx. 1.6 kg/m ² per mm layer thickness

Processing equipment

Aids/tools

- Stirrer (approx. 500-700 rpm)
- Collomix stirrer type KR
- Trowel
- Brush
- Toothed trowel

Suitable substrate

- Cementitious surfaces
- Reinforced concrete

Preparing the substrate

Requirement for substrate

1. Firm
2. Grippy
3. Load-bearing
4. Pore open
5. Free of adhesion inhibiting substances

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Preparing the surface

1. Dense and smooth mineral substrates must be roughened accordingly using suitable measures (e.g. sand, high-pressure, water or shot blasting).
2. Dampen the pre-treated mineral substrate sufficiently 24 hours and 2 hours before application.
3. Pre-moisten the dry mineral substrate so that it is matt damp at the time of application.
4. The exposed reinforcing steels must be totally de-rusted and must be clear of dust and grease up to the standard cleanliness level SA 2.5 by suitable measures.

Application

Mixing

1. Pour ASOCRET-HS-FLEX with clean water (Technical data > Water addition) into a mixing bucket and mix with a mixer until lump-free (e.g. with the Collomix KR mixer).
2. The mixing time is ca. 3 minutes.
3. Mix again after an activation time of 5 minutes.

As a bond coat in concrete restoration

1. ASOCRET-HS-FLEX is brushed into the prepared substrate with a hard broom in a single coat, down to the pores and such that it is full covering.
2. The repair mortar ASOCRET-BIS-5/40 must then be applied "wet in wet" in the required layer thickness.
3. In case of interruptions or after hardening, the bond coat must set completely. Repeat the application including the bond coat after an appropriate waiting time.

as a bond coat for CT-bonded screeds

1. Brush ASOCRET-HS-FLEX into the moistened substrate.
2. Apply the CT screed while still wet.

as contact slurry for use with the thick-bed method

1. Use a suitable notched trowel to apply the ASOCRET-HS-FLEX to the fresh mortar bed.
2. Within approx. 15-20 minutes, slide the tiles / boards into the fresh coat.
3. Knock the tiles / boards into place.

as contact slurry for use with the vibration method

1. Apply ASOCRET-HS-FLEX in the same way as in the thick-bed method.
2. Shake in using the usual method until the mortar bed begins to set.
3. ASOCRET-HS-FLEX is particularly well-suited to our special screed cements (ASO-EZ4, ASO[®]-SEB) and the derived pre-blended dry mortar with predetermined grading curve (ASO-EZ4-PLUS, ASO[®]-SEM).

Corrosion protection

1. ASOCRET-HS-FLEX is applied to the reinforcing steel with a brush in two application steps, ensuring full covering.
2. The second coat is applied after approx. 2 hours waiting time, when the first coat is brushable.
3. The repair mortar ASOCRET-BIS-5/40 can be applied approx. 6 hours after the second coat has hardened.

Cleaning tools

Rinse tools with water immediately after use.

Storage conditions

Storage

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

Disposal

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

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Notes

- Before any concrete restoration measures, the current state must generally be checked by an expert and/or structural engineer. The test report must be made available to the processor before starting the restoration measures.
- Protect surfaces that are not to be treated from the effects of ASOCRET-HS-FLEX!
- Do not add water or new mortar to existing ASOCRET-HS-FLEX mortar that has already set in order to make it workable again. (Risk of inadequate strength development)
- When laying natural stone and synthetic stone, the product-specific properties of the coating materials (tendency to discolour, risk of curling, etc.) and the laying recommendations of the manufacturer must be taken into account. We recommend carrying out trial laying!
- Protect the product from water, frost, draughts, direct sunlight and mechanical loads until it has dried completely.

Relevant regulations

Planning, inspection of substrates and building site circumstances, laying, grouting and subsequent care of the work must be done in accordance with the relevant DIN standards and recognised rules of technology (e.g. the ZDB Data sheets of the Zentralverband Deutsches Baugewerbe e.V. (German construction Association) in the latest version.

Observe applicable safety data sheet!

GISCODE: ZP1

Explanations

Conformity / Declaration / Verification

 1119	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) 24 1119-CPR-18197 206660	
EN 1504-7 ASOCRET-HS-flex Products for protecting reinforcement from corrosion	
Shear strength:	passed
Corrosion protection:	passed
Hazardous substances:	NPD

NPD = "No Performance Determined"

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