

ASOCRET-HS-FLEX

Flexible contact / bonding slurries and corrosion protection

Previously known as ASOCRET-KS/HB

April 2024

PRODUCT FEATURES:

- Cement-based fine mortar
- CE per DIN EN 1504-07
- Polymer modified
- Improved adhesion
- Corrosion protection
- Highly durable
- Water resistant

ADVANTAGES:

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

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



TECHNICAL DATA:

Material properties	
Product components	One 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 litres/25 kg or 1.3-1.4 litres/6 kg Bond coat: approx. 6.75-7.0 litres/25 kg or 1.6-1.7 litres/6 kg
Water addition (percentage)	From 22% to 28%
Application	
Substrate/application temperature	From 5°C to 30°C
Pot life	Approx. 60 minutes
Method of application, max. layer thickness per application step	To 1 mm
Consumption pro m ² and mm layer thickness	Approx. 1.6 kg
Overcoat (min.)	After 2 hours
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

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APPLICATION TECHNOLOGY:

Aids/tools

- Stirrer (approx. 500-700 rpm)
- Suitable mixing paddle
- Trowel
- Brush

SUBSTRATE PREPARATION:

Requirement for substrate

- Firm
- Grippy
- Load-bearing
- Pore open
- Free of adhesion inhibiting substances

Preparing the surface

1. Dense and smooth substrates must be roughened accordingly using suitable measures (e.g. sand, high-pressure, water or shot blasting).
2. 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.
3. Dampen the pre-treated substrate sufficiently 24 hours and 2 hours before application.
4. Pre-moisten the dry substrate so that it is matt damp at the time of application.

USAGE:

Mixing

1. Add ASOCRET-HS-FLEX with Corrosion protection: approx. 5.5-5.75 litres/25 kg or 1.3-1.4 litres/6 kg clean water to a mixing bucket and mix with a stirrer until free from lumps.
2. The mixing time is ca. 3 minutes.
3. Mix again after an activation time of 5 minutes.

Bond coat

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 be set completely. Application incl. bond coat must be repeated after the corresponding waiting time.

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.

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 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.

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USAGE (continued):

As a 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[®]-SEB).

Cleaning Tools

Rinse tools with water immediately after use.

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 01.

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)

GISCODE: ZP1

HEALTH AND SAFETY:

Health and Safety information can be found on the Safety Data Sheet (SDS).

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	Germany
Legal and trading name of manufacturer	SCHOMBURG GmbH & Co. KG
Manufacturer address for service	Aquafinstr. 2-8 D-32760 Detmold (Germany)
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