

# ASOCRET-HS-FLEX

Flexible contact / bonding slurry and corrosion protection



| Material number | Package type | Colour | Units / pallet | Pc/package |
|-----------------|--------------|--------|----------------|------------|
| 206660001       | 25 kg, bag   | Grey   | 42             | 1          |

## 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 Cement 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 <sup>2</sup> |

#### 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<br>Bond coat: approx. 6.75 - 7.0 l / 25 kg or 1.6 - 1.7 l / 6 kg<br>Contact and bonding slurry: approx. 6.75 - 7.5 l / 25 kg or 1.6 - 1.8 l / 6 kg |
| Water addition (percentage) | approx. 22 - 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 <sup>2</sup> and mm layer thickness            | approx. 1.6 kg   |
| Consumption  | Approx. 1-2 kg/m <sup>2</sup>   as a bond coat: approx. 1.5 kg/m <sup>2</sup> per mm layer thickness   as corrosion protection: approx. 1.6 kg/m <sup>2</sup> 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

## ASOCRET-HS-FLEX

### 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 Cement 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<sup>®</sup>-SEB) and the derived pre-blended dry mortar with predetermined grading curve (ASO-EZ4-PLUS, ASO<sup>®</sup>-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.

### 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.

# ASOCRET-HS-FLEX

## 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!**

## Explanations

Conformity / Declaration / Verification

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

NPD = "No Performance Determined"

The rights of the buyer with regard to the quality of our materials are based on our terms and conditions of sale and delivery. Our technical advice team will be happy to advise you in the case of requirements that exceed the scope of the application described here. In order to be binding, a legally binding written confirmation is required. The product description does not release the user from a duty of care. Lay a test area in the event of uncertainty. This version becomes invalid in the event of a new version being issued.