



Technical Data Sheet

ASOCRET-KS/HB

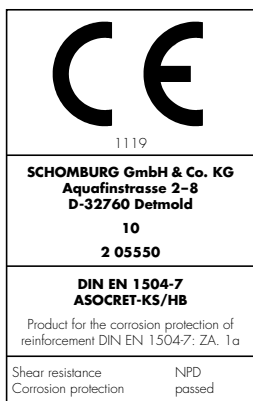
Mineral-based corrosion protection and bonding coat

Art.-No. 2 05550

Properties:

ASOCRET-KS/HB is a mineral-based, polymer modified corrosion protection and bonding coat with the following properties:

- Ready for use once mixed with water
- Resistant to saponification
- Resistant to frost and de-icing salts
- Very easy to use even on vertical and "overhead" areas.



NPD = „No Performance Determined“

ASOCRET-KS/HB excels through very good workability, even on vertical and overhead areas. ASOCRET-KS/HB cures without shrinkage and free from cracks even under dynamic loading.

Areas of application:

ASOCRET-KS/HB is used for protecting steel reinforcement against corrosion during concrete restoration work and also as a bonding coat onto concrete and mortar substrates.

ASOCRET-KS/HB is a component of the concrete restoration system with the product ASOCRET-FM40.

Technical Data:

Basis:	cement
Bulk density:	1.20 g/cm ³
Grain size:	up to 0.5 mm
Material consumption:	bonding coat: 1.5 kg/m ² /mm, corrosion protection (two coats): 1.6 kg/m ² /mm
Pot life:	approx. 60 mins at +20 °C
Application/substrate temperature:	+5 °C to +30 °C
Relative humidity:	< 95%
Tensile adhesion strength:	> 1.5 N/mm ²
Cleaning:	clean tools with water immediately after use

Waiting time before application of second and third coat:

Corrosion protection:

min. 24 hrs

Bonding coat:

wet in wet. Where there are interruptions or if hardened, the bonding coat must be allowed to fully cure

Packaging:

25 kg bags

Storage:

9 months when stored dry and away from frost in the original unopened packaging above +10 °C.

Substrate preparation:

Before application of ASOCRET-KS/HB, rust must be removed from exposed steel reinforcement in accordance with DIN EN ISO 12944-4 (purity grade 2.5). The steel reinforcement should be free from dust and grease. Cement-based surfaces should be firm, sound, have a good key and be free from laitance, loose particles as well as substances which may impede adhesion (oil, grease, rubber marks, paint residues or other contamination). The prepared substrate must have an open-pored surface structure. Adequately pre-wet the treated substrate 24 hours and 2 hours before applying ASOCRET-FM40. The surface must be matt damp at the time the mortar is applied. It is necessary to prepare the surface, such as grit blasting, shot blasting, high pressure jet washing (500-2000 bar), scabbling or planing.

Abrasion resistance required for concrete substrates:
min. 1.5 N/mm²

Product preparation:

Preparation of the corrosion protection/Bonding coat:

- ASOCRET-KS/HB 25 kg
- Water 5.5 – 5.75 litres

ASOCRET-KS/HB is mixed with a suitable mixer (max. 300 rpm) or in a forced paddle mixer (mix time 3 – 5 mins), until a homogenous, lump free consistency is achieved. Allow to stand for 2 minutes, then briefly remix. Only mix as much material as can be used within the time periods stated above.

ASOCRET-KS/HB

Tools for application:

Corrosion protection: paint brush

Bonding coat: stiff broom, brush

Method of application / consumption:

Corrosion protection:

Evenly apply two coats of ASOCRET-KS/HB to the de-rusted steel reinforcement using a paint brush. The steel reinforcement may be damp. The second layer can be applied after waiting for at least 6 hours, as soon as the first layer is brush proof. After allowing the second coat to harden for approx. 6 hours, the repair mortar e.g. ASOCRET-FM40 can be applied.

Bonding coat:

ASOCRET-KS/HB is brushed into the prepared surface with a stiff broom ensuring full coverage and that all pores are filled. The following layer of e.g. the repair mortar ASOCRET-FM40 must be applied whilst the bonding coat is still wet. Where work is interrupted or the material hardens, then the bonding coat must be allowed to fully harden. After the appropriate waiting time, the bonding coat can be re-applied.

Health & Safety:

ASOCRET-KS/HB contains cement that forms an alkaline reaction with moisture. Therefore contact with the eyes and skin is to be avoided and mortar splashes are to be thoroughly washed off immediately with plenty of water. On contact with the eyes, seek medical attention from an eye specialist. Please store ASOCRET-KS/HB out of the reach of children.

Advice:

- Prior to implementing any concrete restoration measures the actual condition should generally be assessed by an authorised expert and/or a Structural Engineer. The inspection protocol is to be given to the contractor before the commencement of the restoration works.
- Protect areas not being treated from the effects of ASOCRET-KS/HB.
- Cover with suitable sheeting to protect against rain.

- Only use mains water of drinking quality when preparing ASOCRET-KS/HB. Do not add additional water or powder to material that has begun to stiffen in an attempt to restore the original consistency. This can result in inadequate bonding.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of SCHOMBURG GmbH.

Please observe a current valid EU Health & Safety data sheet.

GISCODE: ZP1