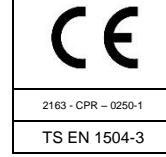




Technical Data Sheet

BAYCOCRET-KS/HB

Mineralic corrosion protection and bonding coat



Description:

BAYCOCRET-KS/HB is a mineralic corrosion protection and a bonding coat for cement based surfaces.

Areas of Application:

BAYCOCRET-KS/HB is used as corrosion protection for the steel reinforcement in concrete repair works and simultaneously as bonding coat on concrete and mortar surfaces.

Suitable for the following areas:

PCC1: surfaces subject to traffic and to dynamic loads (for example underneath driveways)

PCC2: surfaces not subject to traffic, but subject to dynamic loads (for example view from below of superstructures)

PCC3: surfaces not subject to traffic and dynamic loads (for example sub constructions, support walls, concrete facades)

Properties/Advantages:

BAYCOCRET-KS/HB is

- a cement based polymer modified fine mortar,
- ready for use after mixing with water,
- excellent processing, even on vertical surface and overhead,
- watertight,
- saponification resistant,
- frost and thaw resistant.

BAYCOCRET-KS/HB cures even at dynamic loads crack free and with low shrinkage.

The product is approved acc. to ZTV-SIB 90 for the application areas PCC 1, PCC 2 and PCC 3.

Technical Data:

The data are determined at a temperature of +20°C

Basis:	cement
Component:	1
Water quantity:	bonding coat 18% corro. protect. 16%
Bulk density:	1,850 g/cm ²
Pot life:	60 minutes(10°C) 45 minutes(20°C) 30 minutes(30°C)

Application temperature: +5°C to +40°C

Relative air humidity: <95%

Bonding strength: approx. 3,0 N/mm²

Packaging:

25 kg sack

Storage:

When stored in a dry condition in its unopened original package above +10°C, 9 months.

Surface Preparation:

Before application of BAYCOCRET-KS/HB exposed reinforcement concrete steels have to be derusted according to DIN 55928, part 4, purity grade Sa 2,5. The concrete and steel should be free from dust and grease. Cement based surfaces should be firm, sound and free from laitance, loose particles that may deter adhesion (oil, grease, rubber abrasion, paint residues or other contaminations). The surface may be matt damp. A surface pretreatment is necessary, such as granulate-shot and pressure water blasting, grinding or milling. The bond strength has to meet a value of at least 1,5 N/mm².

Product Preparation:

- As corrosion protection;
Mix BAYCOCRET-KS/HB with 16% water.
(To 25 kg ASOCRET-KS/HB 4l water)
- As bonding coat;
Mix BAYCOCRET-KS/HB with 18% water.
(To 25 kg BAYCOCRET-KS/HB 4½ l water)

BAYCOCRET-KS/HB is mixed with a suitable mixer (max.300 Rpm) or in the compulsory mixer for a time of approx. 5 minutes until the mass is homogeneous and lump-free. After a curing time of 2 minutes stir again shortly. Mix only as much material as can be used within the time periods stated above.

Method of Application:

BAYCOCRET-BT25/K can be applied by a paint brush in corrosion protection application and by a stiff broom or brush in bonding coat application.

BAYCOCRET-KS/HB

Corrosion Protection:

Apply BAYCOCRET-KS/HB in two coats onto the derusted concrete steel with a paint brush evenly. The concrete steel may be matt damp. The second layer is applied after a waiting time of at least 6 hours as soon as the first layer is brush proof. After 24 hours from hardening of the second layer, one of BAYCOCRET repair mortars can be applied. In corrosion protection applications, BAYCOCRET-KS/HB consumption is 4-6 kg/m² (2 layers).

Bonding coat:

BAYCOCRET-KS/HB is brushed into the prepared surface with a stiff broom fully covering and pore filling. The consumption is 2-4 kg/m². The following layer made of the one of BAYCOCRET repair mortars. Repair mortars shall be applied before BAYCOCRET-KS/HB is hardened. In case of interruptions resp. when the bonding coat had already hardened it has to harden totally. Afterwards, the application has to be repeated after the corresponding waiting time.

Cleaning:

Clean tools with water right after the application.

Health and Safety:

BAYCOCRET-KS/HB contains cement and reacts alkaline with moisture.

- Avoid contact with eyes and skin.
- Splashes have to be immediately cleaned with plenty amount of water.
- In case of eye contact seek medical advice!
- Keep out of reach of children!

Please refer to the MSDS for details.

Important Advices:

- Stiffed material must neither be diluted with water nor mixed with fresh mortar.
- In case of application according to ZTV-SIB 90 only whole packing units must be used.