

INDUCRET BIS 0/2

Mineral based corrosion protection and bonding agent

Properties:

INDUCRET-BIS-0/2 is a mineral-based corrosion protector and bonding slurry with the following properties:

- ready to use after mixing with water
- water impermeable
- resistant to saponification
- resistant to frost and de-icing salts
- cures with low shrinkage and free from cracks even under dynamic loading
- very easy to use even on vertical and "overhead" areas.

Areas of application:

INDUCRET-BIS-0/2 is used as corrosion protection for steel reinforcement in concrete restoration and simultaneously as a bonding agent on concrete and mortar substrates.

INDUCRET-BIS-0/2 is a component of the concrete restoration system with the products INDUCRET-BIS-5/40 and INDUCRET-KIS-6/40.

Technical data:

Colour:	cement grey
Basis:	cement
Components:	1
Particle size:	up to 0.5 mm
Bulk density:	1.2 kg/dm ³
Working life:	approx. 60 minutes at +20 °C
Overcoat after:	min. 1 day
Application temp:	min. approx. +5 °C, max. approx. +35 °C

Waiting time before application of second coat:

Corrosion protection: min. 4 hours, as soon as the first coat will not be disturbed

Bonding agent: wet in wet with the repair mortar

Cleaning:

Thoroughly clean tools with water after use.

Packaging:

25 kg bag

Storage:

12 months when kept in the original unopened packaging under dry and cool conditions above +10 °C.

Surface preparation:

Before application of INDUCRET-BIS-0/2 exposed steel reinforcement must be de-rusted to DIN EN ISO 12944-4 (in accordance with standard purity 2 – 2.5). The concrete reinforcement must be dry, dust and grease free.

Cementitious surfaces must be solid with a good key and be load-bearing, free from cement laitance, loose particles as well as adhesion inhibiting substances (oil, grease, rubber marks, paint residues or other contamination).

Surface preparation is necessary such as e.g. grit or shot blasting, high-pressure water jetting, scabbling or planing.

Average surface tensile strength: min. 1.5 N/mm²

Product preparation:

1. Production of the repair mortar:

- INDUCRET-BIS-0/2 = 25.0 kg
- Water = 5.5 – 7.5 litres

2. Production of the bonding agent:

- INDUCRET-BIS-0/2 = 25.0 kg
- Water = 7.25 – 7.5 litres

Mix INDUCRET-BIS-0/2 with a suitable stirrer (max. 300 rpm) or in a forced paddle mixer (mixing time approx. 3 – 5 minutes) until a homogenous and lump free consistency. After a maturing time of approx. 2 minutes stir through briefly once again. Only mix as much material as can be used within the above mentioned timings.

Application tools:

Corrosion protection: brush

Bonding agent: hard broom, brush

Application method/consumption:

Corrosion protection:

Apply INDUCRET-BIS-0/2 in two coats with a brush to the de-rusted steel reinforcement to thoroughly cover it. Apply the second coat after a waiting time of approx. 4 hours, as soon as the first coat will not be disturbed. Once the second coat has cured the bonding agent can be applied the next day with the subsequent repair mortar.



**Bonding agent:**

Brush apply INDUCRET-BIS-0/2 with a hard broom onto the prepared matt damp substrate ensuring complete coverage and pore filling.

The subsequent application e.g. with the repair mortar INDUCRET-BIS-5/40 must be applied while the bonding agent is still wet.

Material consumption:**Corrosion protection:**

Approx. 1.8 kg/m²/mm thickness,
approx. 1.0 litre/ mix = 2.03 kg

Bonding agent:

Approx. 1.6 kg/m²/mm thickness,
approx. 1.0 litre/ mix = 1.98 kg

Health and safety:

INDUCRET-BIS-0/2 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 immediately and thoroughly washed off with plenty of water. Seek medical attention from an eye specialist when contact with eyes occurs. Store INDUCRET-BIS-0/2 out of the reach of children.

Advice:

- Protect areas not to be treated from the effects of INDUCRET-BIS-0/2.
- Cover with suitable sheeting to protect against rain.
- Building substrates and ambient temperatures below +20 °C delay setting times and above +20 °C accelerate setting times.
- Only use water of drinking quality when mixing INDUCRET-BIS-0/2. Do not add additional water or powder to material which has begun to stiffen in an attempt to restore original consistency. This can Result in inadequate bonding.

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