weber betoheft anl

- Provides adhesion and rust protection
- Based on Type 1 Portlandcement.
- low-alkaline

About this product

Betoheft Anl is a slurry based on low-alkali cement for concrete and reinforcement steel. Also used as adhesion sludge when laying plates in Läggningsbruk C25/30. Mix with water only to get a ready-to-use slurry. Provides adhesion and rust protection. Betoheft Anl is part of Weber's system for concrete repairs.

Product attributes

- Fire resistence
- Coatable
- Moist resistence
- High strength
- Low alkaline
- UV resistence

Application characteristics

- Pumpable
- Sprayable
- Hand applied

Area of use

Betoheft Anl is used for reconditioning and repairs of concrete outdoors. Betoheft Anl is applied to cleaned reinforcement steels to protect them from corrosion and as slurry on well-cleaned concrete to build up adhesion between the old concrete and the new coating. Also used as carbonation braking and for filling of pores on surfaces before painting.

Substrate

Concrete, steel

Substrate type

- Concrete
- Mineral
- Stone
- Steel
- Brick

Pretreatment

Loose, porous and greasy contaminants such as cracked concrete, surface and paint are removed with concrete mills, machine or similar. Steelw wich is smoothed and other smooth surfaces are roughened with e.g. blasting. For concrete with reinforcement steel, carbonated concrete should be removed if possible. This is checked by "carbonization indicator". 1. Reinforced steel and other ingots are mechanically cleaned from concrete residues and rust by steel brushing or blasting. 2. There must be no cracks, dirt or bad concrete on adjacent concrete surfaces. Use of a chipping machine should be done with caution so that no new damage occurs. The edges between the place of repairsurface and the undamaged surface must not be sloping. 3. The substrate should be moistened (if necessary) when the slurry is applied Free water must not be present.

Product specification	
Material consumption	3-4 kg/m² at 2-3 mm layer
Recommended layer thickness	approx 2mm
Maximum layer thickness	3mm
Recommended water content	approx 1,2l / 5 Kg
Application temperature	At +5° to +30°
Pot life (Operating time)	approx 60min at +20°
Waiting time between operations	1 day at +20°
Drying time	approx 4 hours
Binder	Cem I 52,5 R (Portlandcement)
Cement type and class	Cem I 42,5mH/LA/SR
Ballast	Natural gravel/sand 0-0,25mm
Additive	Polymer
Adhesion strength	<0x22d1>2,0 MPa against concrete surface
Compressive strength 28 days	+20°C, 30 MPa
Surface tensile strength	<0x22d1>2 MPa
Exposure class	XO, XS3, XC4, XD3, XF4, XA2 according to EN 197-1
Frost resistance	Yes, according to SS 137244 (salt environment)
Air content	2-3%
Water content	1,2l in 5 kg
CE-marking designation code	1504-4
Storage conditions	The storage time for sacks on wrapped pallet is about 12 months from the packing day.
Package	25 kg sack

Mixing

Betoheft Anl is machine-mixed (drilling machine with whisk) for 5 minutes with about 1.2 liters of water / 5 kg of Betoheft, giving approximately 3.0 l of ready-to-use slurry. Mix the powder in water.

Work instructions

1. Sludge with Betoheft Anl is performed the day after cleaning. Betoheft Anl is applied in thickness about 2 mm. The substrate should be moisturized. The slurry is made with a hard brush so that reinforcement bars, pores and concrete surfaces are completely covered. 2. The repair grout is applied when Betoheft stews to but not dried, almost wet in wet. The repair grout is applied with a suitable tool and built up to the desired thickness. In thicker layers, apply the next layer when the first step is sufficient to carry the following layers. The surface of the layers should have a rough structure for best adhesion. Prevent rapid dehydration. 3. After finishing, the entire surface can be slammed with 2-3 mm Betoheft Anl for uniform structure. Apply with syringe, brush or soft brush. Betoheft Anl provides a "carbonatization braking" surface, suitable for painting if desired.

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After-treatment
Prevent rapid dehydration from sun, blown, heat radiation, etc. If there is a risk of rapid dehydration, protective cover is recommended, or a few days watering (keep moisturized). All paintings are should be made with paint suitable for concrete, such as Weber Mineralux concrete paint. Afterfinishing can be done with Rep 990 Concrete protection.

Please observe
Winter Management: At a temperature lower than + 5 ° C, the growth will stop. If there is a risk of lower temperatures for the next few days, be advised not to initiate use of the produkt if heating can´t be achieved.

Recycling
Please visit your local weber website to find information on waste material and packagings.

Disclaimer
As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

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