

Disbocret® 713 PCC-Haftbrücke



Polymer modified, cement-bound, corrosion protection and bonding bridge for concrete repair.

Product Description

Field of Application	Corrosion protection for reinforcing steel rods and bonding agent (slurry) between concrete and rough mortar Disbocret® 714 PCC I-Grobmörtel or fine mortar Disbocret® 715 PCC I-Feinmörtel.
Material Properties	<ul style="list-style-type: none"> ■ Corrosion protection and bonding agent/bridge (adhesion promoter) in one product ■ Easy preparation – only mix with water ■ Excellent working properties ■ Short waiting period between work steps ■ Applicable on moist substrates ■ Resistant to de-icing salts ■ Outstanding adhesion on all types of concrete ■ Meets the requirements of DIN EN 1504-7: Reinforcement corrosion protection <p>In conjunction with Disbocret® 714 PCC I-Grobmörtel, Disbocret® 715 PCC I-Feinmörtel has been tested as a repair system according to TL / TP BE-PCC of ZTV-ING. German general building inspection test certificate available.</p>
Material Base / Vehicle	Polymer modified, cement-bound dry mortar premix.
Packaging/Package Size	15 kg bag
Storage	Dry, shelf life is min. 9 months (from date of manufacture); low chromate content: 9 months.
Technical Data	<ul style="list-style-type: none"> ■ Bulk density: approx. 1.19 kg/m³ ■ Adesive tensile strength: 28 d > 1.5 N/mm²

Application

Suitable Substrates	Reinforcing steel, normal, heavy and lightweight concrete. The average adhesive tensile strength of the substrate must be 1.5 N/mm ² , with a single minimum value of 1.0 N/mm ² .
Substrate Preparation	<p>Derust reinforcing steel rods to DIN EN ISO 12944-4 (substitution of DIN 55 928, part 4) or ISO 8501-1 according to industry standard Sa 2 ½ (rate of surface preparation). Derusted steel must be free of dust and fat/grease.</p> <p>The substrate must be sound/stable, clean and free from all loose material that may prevent good adhesion. Brittle or loose concrete, concrete containing corrosive substances, e.g. chlorides, must also be thoroughly removed by suitable means, along with any remnants of paint, oil, fat/grease or release agents. In the same way, surface laitance should be removed using suitable means. This should be removed to such a depth that bonding agent (slurry) and repair mortar would find sufficient adhesion to the treated surface. The edges of spalled or damaged areas must be bevelled (45° – 60°). The substrate must be pre-wetted and should present a matt moist surface aspect prior to the application of bonding agent.</p>
Preparation of Material	The contents of a 15 kg bag of Disbocret® 713 is gradually mixed into measured quantity of tap/potable water, and agitated with a suitable low-speed electrical paddle (agitator; max. 400 rpm) for approx. 3 minutes until the slurry is free of lumps and has a homogeneous consistency, easy to spread.

Mixing Ratio	Dry mortar premix	Potable Water
	1 part by weight	0.25 parts by weight
	15 kg bag	Approx. 3.75 l
Method of Application	<p>As anti-corrosive protection: Apply the first anti-corrosive layer generously with a brush, immediately after having finished with rust removal. Apply a second layer after a waiting approx. 20 minutes at 20 °C. Take care in coating the reinforcing steel rods thoroughly and completely (all around). Allow the second layer to harden for approx. 20 minutes at 20 °C and apply the bonding bridge (adhesion promoter).</p> <p>As bonding slurry: Apply an even layer using a brush, blending the material intensively to the prepared substrate, filling all pores. Apply the subsequent layer of repointing mortar wet-on-wet. When the bonding slurry is cured prematurely before having applied the repair mortar (e.g. caused by a work stoppage), the complete layer must be removed and then applied once again.</p>	
Layer Thickness	Anti-corrosive protection: min. 1 mm	
Consumption	<p>Anti-corrosive protection: Approx. 150 g/m dry mortar per layer, Ø 16 mm.</p> <p>Bonding bridge: Approx. 1.5 – 1.6 kg/m² dry mortar, depending on the substrate.</p>	
Workability	Approx. 360 minutes at 5 °C, approx. 180 minutes at 20 °C, approx. 90 minutes at 30 °C.	
Application Conditions	<p>Material, atmospheric, and substrate temperature: Min. 10 °C, max. 30 °C during application and drying.</p>	
Tool Cleaning	Immediately after use with water.	

Advice

German Certificates	<ul style="list-style-type: none"> 1-1094 Test according to ZTV-ING, TL/TP BE-PCC, application PCC I, P 4161/05-265 Polymer-institute, Flörsheim
Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	<p>Irritating to skin. Risk of serious damage to eyes.</p> <p>Keep out of the reach of children. Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.</p>
Disposal	Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely emptied packaging should be given for recycling. Dispose of hardened material as of mixed construction and demolition-site waste.
EU limit value for the VOC content	of this product (category A/a): max. 30 g/l (2010). This product contains < 1 g/l of VOC.
Giscode	ZP 1
Further Details	See Material Safety Data Sheets (MSDS). Follow the application references while applying our materials.
CE Labelling	<p>EN 1504-7</p> <p>“Products and systems for protection and repair of concrete load-bearing structures-Part 7: Reinforcement corrosion protection”, defining the requirements for the surface protection proceeding. Products matching the above mentioned standards are to be labelled with the CE mark. Additional engineer standards are effective for the use in Germany in structural safety relevant areas. Conformity is documented by the Ü sign (Überwachung = supervision) on the container. Established by documented evidence of conformity 2+ with controls and tests on the part of the manufacturer and notified bodys.</p>
Customer Service Centre	<p>Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see www.caparol.com</p>

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.713 · Disbocret® 713 PCC-Haftbrücke · Issued: March 2016

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