

# Disbofein 330 Rollschicht

Fine-grained, acrylic emulsion-based coating for AAC (aerated autoclaved concrete / cellular concrete) slabs.



## Product Description

Field of Application	Surface protection for facades made of AAC (aerated autoclaved concrete / cellular concrete) slabs.
Material Properties	<p>Disbofein 330 Rollschicht (Fine-grained coating) meets the requirements of AAC manufacturers.</p> <ul style="list-style-type: none"> <li>■ Water vapour permeable.</li> <li>■ Low capillary water absorption.</li> <li>■ Ductile (resilient).</li> <li>■ Resistant to weathering and environmental pollution.</li> </ul>
Material Base / Vehicle	Acrylic dispersion/emulsion
Packaging/Package Size	25 kg bucket
Colours	<p>White</p> <p>Special tints are available on request.</p> <p>Can be tinted on site up to 10 % with weatherproof colourants, e.g. AmphiColor® (AVA). The lightness index (LI) should exceed 20.</p> <p><b>Colour Shade Stability as per German BFS-Merkblatt (Data Sheet) No. 26:</b>            Binding agent: Class B            Pigmentation: Group 1 to 3, depending on the colour.</p>
Gloss Level	Matt
Storage	Keep in a cool and frost-free place. Shelf life of the original, tightly closed packaging: 12 months.
Technical Data	<ul style="list-style-type: none"> <li>■ Density: approx. 1.7 g/cm<sup>3</sup></li> <li>■ Diffusion-equivalent air layer thickness <math>s_d</math> H<sub>2</sub>O: &lt; 2 m</li> <li>■ Water permeability (w-value): &lt; 0.03 kg/(m<sup>2</sup> · h<sup>0.5</sup>) class w<sub>3</sub> (low) according to DIN EN 1062</li> </ul>

## Application

Suitable Substrates	New and coated AAC (autoclaved aerated concrete) slabs. The substrate must be dry, solid, sound/ stable and free from all separating substances that may prevent good adhesion.
Substrate Preparation	<p>Brush the AAC surface thoroughly and remove all dust and dirt. Repair defects and spallings &gt; 5 mm deep with repair mortar Disbofein 331 Reparaturmörtel.</p> <p>Repair shrinkage holes and unevenness due to manufacturing process, as well as defects/ spallings &lt; 5 mm deep with surfacer Disbofein 332 Spachtel.</p>
Preparation of Material	<p>Dilute Disbofein 330 Rollschicht to a max. of 10 % with tap (potable) water for first coat.</p> <p>Dilute to a max. of 5 % with tap water for finishing coat.</p>
Method of Application	<p><b>Roller Application</b></p> <p>Apply the first coat with a paint roller. Apply the finishing coat panel-wise with a paint roller and texture immediately, working evenly and without lapping, by rolling always in the same direction with a foam plastic texturing roller, e.g. made of coarse Moltopren®.</p>

Surface Coating System	<p><b>Machine Application</b> Application is facilitated when using suitable spray plaster device (e.g. Manufacturing Company M-Tec Speedy P 15, nozzle 6, extruder head Integrakombi). Spray apply the product and then spread evenly with a paint roller. In addition the finishing coat should be rolled evenly with a foam plastic texturing roller (e.g. made of coarse Moltopren®), without lapping, and always rolled in the same direction. Do not apply e.g. in direct sunlight, during strong wind, rain or on sun heated substrates. Use protective tarpaulins for scaffolding, if necessary. Germany: Follow VOB, part C, DIN 18 363, section 3.</p> <p><b>Coating of New AAC Surfaces</b> Prime new, uncoated substrates with Disbofein 329 Grundschrift or alternatively use Disbofein 330 Rollschicht, diluted to a max. of 10 % with tap (potable) water. Use Disbofein 330 Rollschicht for finishing coat.</p> <p><b>Repairs with Fabric-Reinforcement</b> Clean stable existing coatings and prime, depending on the substrate's absorbency, with Capagrund Universal, Tiefgrund TB or Optigrund. Follow related current Technical Information No. 657, No. 651 or No. 660 of the Caparol product range (available via <a href="http://www.caparol.de">www.caparol.de</a>). Bed Capatect Fabric 650 with a stainless steel trowel very thoroughly into the first, still wet coat of Disbofein 330 Rollschicht, avoiding bubble formation. Cut off overlaying fabric after drying. (Bevels and joints should never be covered). Apply the intermediate and finishing coats of Disbofein 330 Rollschicht and texture the finishing coat. Take care to sufficiently cover the full surface of orange tinted fabric.</p>
Consumption	<p>Priming coat: 0.9 kg/m<sup>2</sup> Finishing (top) coat: 0.9 kg/m<sup>2</sup> A total minimum consumption of 1.8 kg/m<sup>2</sup> of system materials must not be underrun for first-time coating of AAC/cellular concrete surfaces. Total consumption for repairs with fabric-reinforcement: approx. 3 kg/m<sup>2</sup>.</p>
Application Conditions	<p><b>Material, Substrate and Ambient Air Temperature:</b> Min. 5 °C, max. 30 °C during application and curing.</p>
Drying/Drying Time	At 20 °C and 60 % relative humidity approx. 4 - 12 hours. Lower temperatures and higher humidity extend the drying time.
Tool Cleaning	Immediately after use with water.

## Advice

German Certificates	<ul style="list-style-type: none"> <li>■ 2-1002, Evaluation of water vapour permeability in the moist area as per DIN 4108, capillary water absorption, Research and Material Test Institution Baden-Württemberg</li> <li>■ 2-1004, Crack bridging structure behaviour under dynamic load, University of Dortmund</li> <li>■ 2-1008, Testing of water vapour permeability and water absorption, Polymer-Institute Flörsheim</li> </ul>
Please Note (Status as at Date of Publication)	<p>Do not eat, drink or smoke when using this product. Avoid release to the environment. IF ON SKIN: Wash with plenty of soap and water. Safety data sheet available on request. Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. In Germany: Advice for allergy sufferers with isothiazolinone allergy: Hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).</p>
Disposal	<p>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 empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.</p>
Product Code Paints and Enamels	M-DF02 (Germany)
Further Details	See Material Safety Data Sheet (MSDS). Follow the application references while applying our products.
Technical Assistance	As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.
Customer Service Centre	<p>Tel.: +49 06154- 71 7 1710 Fax: +49 05154- 71 7 1008 e-mail: <a href="mailto:kundenservicecenter@disbon.de">kundenservicecenter@disbon.de</a></p> <p>International Distribution: Please see <a href="http://www.caparol.com">www.caparol.com</a></p>

### Technical Information No.330 · Issue: July 2016

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.330 · Disbofein 330 Rollschicht · Issued: March 2016