

Disbon 405 Klarsiegel

Water-dilutable, transparent dispersion sealer, suitable for smooth or slip-resistant sealing of interior dispersion based floor coatings, sprinkled with coloured chips. Emission-minimised, tested and monitored for harmful substances by TÜV.



Product Description

Field of Application	<p>Transparent, satin-finished, protective sealing for dispersion based floor coatings sprinkled with coloured chips, i.e. floor paint Disbon 400 BodenFinish and acrylic sealer for interior floors Disbon 404 Acryl-BodenSiegel.</p> <p>Do not use on surfaces subjected to mechanical stress caused by wheeled traffic and floorspaces with permanent water loads or in permanently wet conditions.</p>
Product Properties	<ul style="list-style-type: none"> ■ Emission-minimised ■ Tested for harmful substances by technical control board (TÜV) ■ Easy to clean ■ Abrasion resistant ■ Stain-resistant <p>Tested & approved according to AgBB testing criteria for VOC emissions from building material that is used for interior work. The criteria of AgBB (Ausschuss zur gesundheitlichen Bewertung von Bauprodukten; Commission for the sanitary evaluation of building material) are elaborated by the ecological and sanitary authorities for the use of building material in "delicate/sensitive" areas, as e.g. lounges.</p>
Product Base / Vehicle	Modified polyurethane dispersion
Packaging/Package Size	2.5 l, 10 l plastic bucket
Colours	<p>Transparent.</p> <p>Discolouration and chalking effects may occur with weathering and UV light exposure. The colourants in, e.g. coffee, red wine or leaves (organic dyestuffs) and various chemicals, e. g. disinfectants, acids, etc., may cause discolouration. Scratch-marks may appear on the surface caused by continuous rubbing. Proper functioning of the coating will not be affected by these changes.</p>
Gloss Level	Satin-finished
Storage	<p>Keep in a cool, dry and frost-free place.</p> <p>Shelf life of the original, tightly closed packaging: Minimum 1 year at 20 °C. If temperatures are low, the material should be stored at 20 °C before application.</p>
Technical Data	<ul style="list-style-type: none"> ■ Density: approx. 1.1 g/cm³ ■ Dry film thickness: approx. 42 µm/100 ml/m² ■ Resistance-count for diffusion µ (H₂O): approx. 4,000 ■ Ultimate elongation to DIN 53504: approx. 70 %



Application

Suitable Substrates	Adherent dispersion based floor coatings, e.g. Disbon 400 BodenFinish and Disbon 404 Acryl-Boden-Siegel (acrylic sealer for floors). The substrates must be dry, sound, dimensionally stable, solid, and free from dust, oil, fats/greases, skid marks and all materials that may prevent good adhesion.										
Substrate Preparation	Prepare substrates by suitable means to meet the above listed requirements, e.g. sweep or exhaust thoroughly (particularly surfaces sprinkled with coloured chips).										
Preparation of Material	The material is ready for use. Stirr thoroughly before application.										
Method of Application	Use a short-fibre paint roller.										
Surface Coating System	Even surface Generously apply crosswise one or two uniform coats of Disbon 405. To avoid visible lapping the application on connected surfaces should not be interrupted. Slip-resistant (anti-skid) surface Stir 3 % by weight of Disbon 947 Slidestop thoroughly into the material and apply it as described under "Even surface". Stir up in between longer breaks.										
Consumption	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #e0f0ff;">Even surface</th> </tr> <tr> <td style="width: 50%;">Disbon 405 Klarsiegel</td> <td style="width: 50%;">approx. 130–150 ml/m²</td> </tr> <tr> <th colspan="2" style="background-color: #e0f0ff;">Slip-resistant (anti-skid) surface</th> </tr> <tr> <td>Disbon 405 Klarsiegel</td> <td>approx. 130 ml/m²</td> </tr> <tr> <td>Disbon 947 SlideStop Fine</td> <td>approx. 4 g/m²</td> </tr> </table>	Even surface		Disbon 405 Klarsiegel	approx. 130–150 ml/m ²	Slip-resistant (anti-skid) surface		Disbon 405 Klarsiegel	approx. 130 ml/m ²	Disbon 947 SlideStop Fine	approx. 4 g/m ²
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Application Conditions	The exact rate of consumption is best established by a trial application on site. Material, atmospheric, and substrate temperature: Min. 5 °C, max. 30 °C during application and drying. Relative humidity must not exceed 80 %. Substrate temperature should always be min. 3 °C above the dew point temperature.										
Drying/Drying Time	At 20 °C and 60% relative humidity, walkable/recoatable after approx. 8 hours. Ready for mechanical loads after approx. 2 days. Lower temperatures extend the drying time.										
Tool Cleaning	Immediately after use and during long breaks with water or warm soapy water.										

Advice

Please Note (Status as at Date of Publication)	Keep out of reach of children. Provide good ventilation during and after application. In case of contact with skin and eyes, rinse immediately with plenty of water. Do not allow into drains, water courses or soil. Clean tools immediately after use with water and soap. Material safety data sheet available for professional user on request.
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 containers should be given for recycling. Dispose containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.
EU limit value for the VOC content	of this product (category A/i): max. 140 g/l (2010). This product contains max. 95 g/l VOC.
Product Code Paints and Enamels	M-KH01
Further Details	See Safety Data Sheets. Follow the application references while applying our materials.
CE Labelling	EN 13813 CE labelling is based on EN 13813 "Screed mortars, screed compounds and screeds – screed mortars and screed compounds – Properties and Requirements" defining the requirements for screed mortars being used for floor constructions in the interiors. The standard also include synthetic resin coatings and sealing. 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.
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

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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. 405 · Disbon 405 Klarsiegel · Issued: September 2010

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