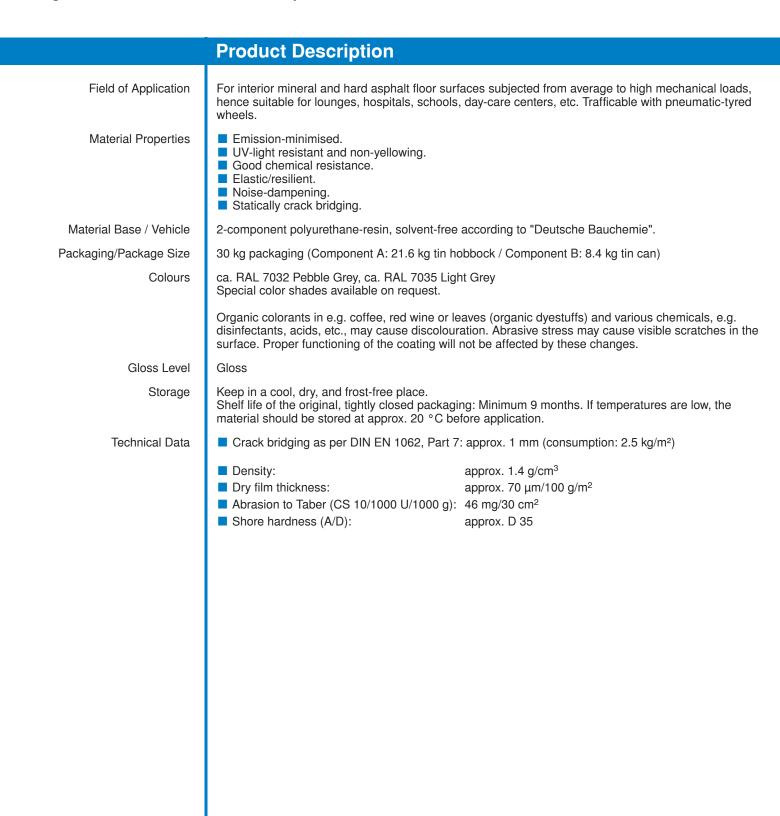
Disbon 385 PU-PremiumSchicht



Pigmented, elastic and solvent-free 2-component polyurethane floor coating for indoor surfaces. Noise-dampening, highly UV-light resistant and color stability.



Chemical resistance

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	7 Days
Test liquid group 5b: Monovalent and polyhydric alcohols (except methanol), glycol ether	+ / -
Test liquid group 9: Aqueous solutions of inorganic acids (carboxylic acids) up to 10 % and their salts (in aqueous solution)	+ (D)
Test liquid group 10: Mineral acids up to 20 % and their salts in aqueous solution (pH <6), except hydrofluoric acid and oxidizing acids and their salts	+ (D)
Test liquid group 11: Inorganic leaches/bases and alcaline hydrolysing, inorganic salts in aqueous solution (pH < 8), except ammonia solutions and oxidizing solutions of salts (e.g. hypochlorite)	+
Ethanol 50 % solution	+ / -
Ammonia 25 % solution	+ (D)
Caustic soda solution 50 %	+ (D)
Citric acid 10 %	+
VE Water	+
Coffee	+ (D)
Cola	+ (D)
Red wine	+ (D)

	Application	
Suitable Substrates	Mineral and asphalt screed interior floor surfaces. The substrate must be dry, sound, dimensionally stable, solid and free from all substances that maprevent good adhesion, e.g. loose/brittle materials, dust, oils, fats/greases or rubber abrasion (skidmarks). Compressive strength of substrates must be > 25 N/mm ² .	
	The average value for adhesive tensile strength must be 1.5 N/mm ² , with a single minimum value of 1.0 N/mm ² . Substrates must have achieved their equilibrium moisture content (EMC): Concrete and cement screed: max. 4 % by weight (CM method) Testing methods for above mentioned values as per DAfStb, repair guideline part 3.	
	If rising damp (moisture on the reverse side of the coating) cannot be excluded, then it is essential to apply a pore-free priming coat of Disboxid 420 E.MI Primer or Disboxid 462 EP-Siegel Neu. Therefore, the average value for adhesive tensile strength must be 2.0 N/mm ² , with a single minimum value of 1.5 N/mm ² .	
	Other types of substrates or proceedings require a special advice from DISBON.	
	The substrate must always be even and should have a tolerable down-grade of max. 1 %, otherwise the material cannot be applied in the required coating thickness.	
Substrate Preparation	Prepare the existing substrate very thoroughly by shot-blasting with solid shot/grit (shot peening), avoiding dust due to simultaneous suction-cleaning. The degree of removing layers of lower adherence is depending on pressure, type and amount of shotblasting medium. Grinding is only permissible for small (border) areas, except for the preparation using diamond grinding technique to remove layers of lower adherence.	
	Germany: Follow BEB-Arbeitsblatt (process sheet) KH-0/U* and KH2* as well as the table 2,5 of guideline "Schutz und Instandsetzung von Betonbauteilen / Protection and Repair of Concrete Elements", part 2 of "Deutscher Ausschuss für Stahlbeton / German Committee for Reinforced Concrete".	
	Carefully clean existing, rigid 2-component coatings, then roughen/grind or flatten by abrasive blasting to remove all remnants, care products or the like on the surface to be coated. Repair spallings and defects in the substrate with Disbocret [®] PCC mortars or Disboxid EP mortars, filling them flush with the surface.	
	Do not use any materials with silicone content in surrounding areas before and during application to avoid detrimental influences (surface disfunction/loss of adhesion).	
	* Bundesverband Estrich und Belag e.V., 53842 Troisdorf-Oberlar, Germany	

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Preparation of Material	Stir the base material (Component A), then add the hardener (Component B) to the base and mix intensively with a low-speed paddle mixer (max. 400 rpm) until a homogeneous colour shade, free of streaks, is achieved. Pour the mixture into another clean mixing vessel and continue stirring.
	Disbon 385 PU-PremiumSchicht can be thixotropized to a max. of 2 % by weight with Disbon 913 PU- Stellmittel, if necessary. Adding approx. 0.5 % by weigt is sufficient for a down-grade of 2 %. Flow and surface appearance may be detrimentally influenced by adding a set-up agent.
	Please Note : Disbon 385 PU-PremiumSchicht can only be thixotropized with Disbon 913 PU-Stellmittel. Do not use any other set-up agent to avoid diminished hardening.
Mixing Ratio	Component A (Base) : Component B (Hardener) = 72 : 28 parts by weight
Method of Application	With suitable wiper, squeegee or scraper (e.g. notched hard rubber squeegee).
	Please Note: When using a notched tool the chosen triangular notching does not lead automatically to compliance with given consumption values.
Surface Coating System	Priming Coat 1. Prime cement-based substrates with Disboxid 420 E.MI Primer, filling all pores. Pour mixed material to the surface and spread evenly, working very thoroughly in back-pull technique with a rubber wiper, filling all pores. Then roll over the surface, working cross-wise with a medium pile roller to avoid any agglomeration of material (gloss areas). For strongly absorbent substrates (when the resin is fully absorbed, without forming a closed primer film on the surface) a second priming coat is necessary to fill all pores.
	2. Prime hard asphalt substrates with Disbon 385 PU-PremiumSchicht using a flat hard-rubber squeege or a scraper, filling all pores. Level rough and porous hard asphalt surfaces with an additional scratch filler coat of Disbon 385 PU-PremiumSchicht: 1.0 part by weight and Disboxid 942 Mischquarz: 0.5 parts by weight.
	Scratch Filler Coat A scratch filler coat is necessary to level surface roughness > 1 mm (measured as per sand surface method*).
	Prepare a scratch filler as follows: Disboxid 420 E.MI Primer: 1.0 part by weight Disboxid 942 Mischquarz: 0.75 parts by weight Disboxid 943 Einstreuquarz: 0.75 parts by weight
	Pour the mixed material to the previously primed (priming coat) surface and draw sharply with a smoothing trowel (standing working with metal wiper/squeegee, max. 60 mm wide) in order to level surface unevenness.
	* Sand surface method as per German Richtlinie/Guideline DAfStb, repair guideline Part 3: Determination of surface roughness
	Levelling Coat The levelling coat is essential to achieve an even surface appearance. Pour the mixed material to the primed surface and spread evenly with a notched hard rubber wiper/squeegee (triangular notching 4 mm**). Leave to stand for approx. 10 minutes, then remove all blistering with a spiked roller, working cross-wise. Consumption*: Disboxid 420 E.MI Primer: approx. 800 g/m ² Disboxid 942 Mischquarz: approx. 800 g/m ²
	Please Note: Do not scatter quartz sand to the levelling coat!
	Finishing (Top) Coat Flow coating with a smooth surface Pour Disbon 385 PU-PremiumSchicht timely to the levelling coat and spread evenly with a notched hard rubber wiper/squeegee. The levelling coat must be roughened/grinded when the time for recoating is overrun. Take care to avoid any exposure of the substrate. After having respected a waiting time of approx. 10 minutes remove all blistering with a spiked roller, working cross-wise over the freshly applied flow coating.
	Surface Design Scatter Disboxid 948 Color-Chips to the freshly applied coating, allow to dry and seal with Disbopur 458 PU-AquaSiegel (smooth surface) or add 3 % by weight of Disbon 947 SlideStop Fine to obtain a slip-resistant effect. Alternatively Disbon HS 8255 FastChips can be used without additional sealing.
	Do not use Disbopur 458 PU-AquaSiegel for areas with intesive loads due to chair rollers. Use chair mats in highly stressed areas, if necessary.

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Consumption	Priming Coat for mineral substrates Disboxid 420 E.MI Primer	approx. 0.3-0.4 kg/m ²	
	Priming Coat for asphalt Disbon 385 PU-PremiumSchicht	approx. 0.5-1,0 kg/m ²	
	Scratch Filler Coat surface roughness 1.0 mm and more		
	Disboxid 420 E.MI Primer Disboxid 942 Mischquarz Disboxid 943 Einstreuquarz	approx. 0.66 kg/mm/m² approx. 0.5 kg/mm/m² approx. 0.5 kg/mm/m²	
	Scratch Filler Coat for asphalt Disbon 385 PU-PremiumSchicht Disboxid 942 Mischquarz	approx. 1,3 kg/mm/m ² approx. 0,6 kg/mm/m ²	
	Levelling Coat		
	Disboxid 420 E.MI Primer Disboxid 942 Mischquarz	approx. 0.8 kg/m ² approx. 0.8 kg/m ²	
	Flow Coating with a smooth surface		
	Approx. 2 - 3 mm of coating thickness (6 -	8 mm triangular notching)*	
	Disbon 385 PU-PremiumSchicht	approx. 2.4 - 3.5 kg/m ²	
	Surface Design		
	<i>Scattering chips</i> Disboxid 948 Color-Chips or Disbon HS 8255 FastChips	approx. 30 g/m ² approx. 30 g/m ²	
	<i>Sealing, matt</i> Disbopur 458 PU-AquaSiegel	approx. 130 g/m²	
	Sealing, matt, slip-resistant Disbopur 458 PU-AquaSiegel Disbon 947 SlideStop Fine	approx. 130 g/m ² approx. 4 g/m ²	
	filling and substrate requirements. Consumption of top sealer coat on sca	epending on the wear resistance of tool attered coatings may vary due to tempe cattering. Determine the exact amount o	rature, working method,
Workability	Processing time: At 20 °C and 60 % r Higher temperatures shorten and lowe	relative humidity approximately 40 minuters temperatures extend the pot life.	tes.
Application Conditions	Material, Ambient Air and Substrate Temperature must remain at a min. of Relative humidity must not exceed 80 above the temperature of dew point.	e Temperature: 10 °C, max. 25 °C. %. The substrate temperature should a	lways be minimum 3 °C
Waiting Time	Waiting time between operations (priming coat or scratch filler coat) and Disbon 385 PU- PremiumSchicht: min. 12 hours, max. 24 hours at 20 °C. For longer waiting times the surface of the preceding coat must be roughened/slightly grinded.		
		PremiumSchicht and the following coat nd lower temperatures extend these wa	
Drying/Drying Time	At 20 °C and 60 % relative humidity, walkable and recoatable after approx. 20 hours. Completely hardened and ready for chemical and mechanical stress after 7 days. Lower temperatures extend the curing time. During hardening/curing, the applied coating has to be protected against moisture to avoid surface faults and loss of adhesion. Depending on the air exchange rate, a product typical odor (modified castor oil) may be perceived over a longer period of time.		
	well as impurities are immediately visi	mSchicht has a brilliant surface, the sma ble and hard to avoid - especially with ir nance product by trained personnel is re	ntensive colors.
Tool Cleaning	Immediately after use and during long	er breaks with thinner Disbocolor 499 V	/erdünner.

	Advice			
German Certificates	Certificates on request.			
Cleaning and Maintenance	Without an additional sealing a specific cleaning is required, due to the high-gloss, hydrophobic surface of Disbon 385 PremiumSchicht. Maintenance cleaning is effected with a special cleaning product (e.g. Veriprop, Inc. Kiehl) for badly wettable surfaces. Cleaning property is improved with repeated wiping. It is advisable to use microfibre cleaning tissue, followed by drying to avoid a streak-free surface.			
	For maintenance cleaning always a basic cleaning (max. with a red pad) is necessary. Maintenance cleaner (e.g. Tana Longlife diamond) must be suitable for use on resilient coatings, thus a trial coating on site is advisable.			
Special Risks (Hazard Note) / Safety	Restricted to professional users.			
Advice (Status as at Date of Publication)	<i>Base (Component A):</i> No dangerous substance	e or mixture.		
	Hardener (Component B): Contains: aliphatic polyisocyanates. May cause an allergic skin reaction. Harmful if inhaler respiratory irritation. Avoid breathing dust/ fume/ gas/ mist/ va-pours/ spray. Wear protectiv protective clothing/ eye protection/ face protection. Use only outdoors or in a well-ventilate ON SKIN: Wash with plenty of soap and water. P352 P304 + P340 + P312 IF INHALED: F person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor you feel unwell.			
Disposal	Only completely emptied containers should be given for recycling. Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste. Uncured product residues are special/hazardous waste.			
EU limit value for the VOC content	of this product (category	A/j): max. 140 g/l (2010). T	This product contains max. 35 g/l VOC.	
Giscode	PU 40 (Germany)			
Further Details	See Material Safety Data Sheets (MSDS). Follow the application references and DISBON advice for care/cleaning and maintenance of floor spaces while applying our products.			
CE Labelling	CE			
		n GmbH D-64372 Ober-Ramstadt		
		14		
	DIS-385-013124 EN 13813: 2002			
	EN 13813:SR-	etic coating for interior use B _{fl} -B1,5-AR1-IR4		
	Reaction to fire	B fl -s1		
	Release of corrosive substances	SR		
	Water permeability	NPD	-	
	Wear resistance	≤ AR1	-	
	Adhesive tensile strength	≥ B1.5		
	Impact strength	≥ IR4		
	mortars and screed com	pounds – Properties and F	ortars, screed compounds and screeds – screed Requirements" defining the requirements for screed rs. The standard also include synthetic resin	
			are to be labelled on the container with the CE ord according to BauPVO) is given on our website	
Customer Service Centre	Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711			

e-mail: kundenservicecenter@caparol.de

International Distribution: Please see www.caparol.com

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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.385 · Disbon 385 PU-PremiumSchicht · Issued: October 2017

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