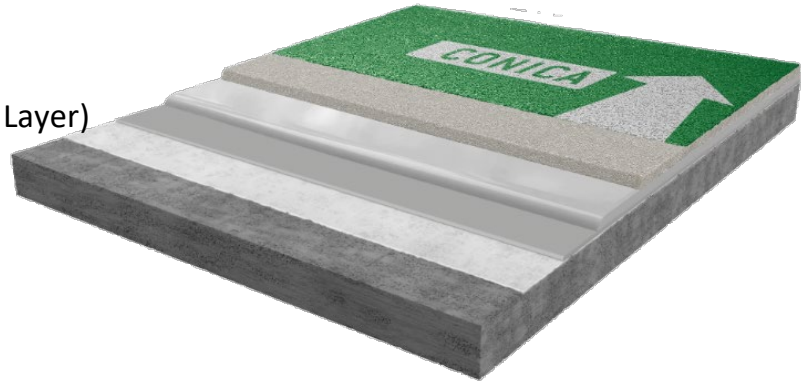


CONIPROOF PPC DL

(Parking Polyurethane Crack bridging – Double Layer)

Car park deck coating, class OS 11 a, for exposed and weathered parking areas and intermediate decks with pedestrians and vehicle traffic, increased dynamic crack bridging, with non-slip surface for medium mechanical stress according to EN 1504-2 / DIN V 18026



- 1 Primer
- 2 Levelling optional
- 3 Membrane / water proofing
- 4 Wear and scattering layer
- 5 Top coat

System design and consumption

LAYER	PRODUCT	CONSUMPTION (kg/m ²)	QS / FILLER (kg/m ²)	APPLICATION	
1	Primer on strongly absorbent u. porous substrates, if necessary, 2-layer application *	CONIPROOF EP 190/1 or CONIPROOF EP 191/1 or CONIFLOOR EP 112 N	0.3 – 0.5 * 2-layers if necessary or scratch coat	QS 03/08 0.8 – 1.0	Squeegee / roller / brush Sand broadcasting, not in excess
2.1	Scratch coat / levelling (optional)	CONIPROOF EP 190/1 or CONIPROOF EP 191/1 or CONIFLOOR EP 112 N filled with QS 01/03	0.6 – 1.0 QS 01/03 MR ≤ 1:1	QS 03/08 2.0 – 3.0	Trowel / smoothing rake / notched trowel or squeegee Sand broadcasting, not in excess
3	Membran / water proofing (HwO 1)	CONIPROOF 490/1	2.1 – 2.3	none	Notched rubber squeegee / notched rubber rake
4	Wear and scattering layer (HwO 2)	CONIPROOF 491/1 filled with QS 01/03	1.8 – 2.0 Harz 0.4 – 0.5 QS 01/03 (≤ 25%)	QS 03/08 or 06/12 min. 5.0 – 6.5 in excess	Notched rubber squeegee / notched rubber rake After the hardening, turn off the non-integrated QS and, if necessary vacuum cleaning
5.1	Top coat, pigmented, glossy, epoxy resin	CONIPROOF EP 590/1			Trowel / Squeegee / Rubber spatula
5.2	Alternative: Top coat, pigmented, glossy, UV- and colour stable, fast curing Polyaspartic resin	alternative CONIPROOF 591/1 (PAS)	0.5 – 0.9	none	Re-rolling recommend (for PAS within 3 – 5 minutes)
5.3	Alternative: Top coat, pigmented, semi glossy, UV- and colour stable, Polyurethane resin	alternative CONIPROOF 592 (PU)			
System layer thickness		ca. 4.5 – 5.5 mm			
Subsoil		Surfaces must be clean, stable, and free of cracks and voids. In general, substrates must be provided in accordance with the applicable regulations. (See also "General processing guidelines for CONICA coatings, CONICA seals and CONICA parking deck coating systems"). Adhesive tensile strength ≥ 1.5 N / mm ² , max. Residual moisture ≤ 4% -CM, on cementitious substrates. Special precautions must be taken in the event of higher residual moisture levels and moisture by rising water. Preparation of the surface e.g. by grinding (diamond) or shot blasting (Blastrac) with subsequent sweeping and vacuuming is mandatory. The above-mentioned consumption values have been determined in the laboratory under practical conditions to achieve the technical properties. In the case of existing on-site conditions and conditions such as temperature, surface roughness etc., the consumption values may deviate from the stated values. In case of doubt, we recommend creating sample areas on site.			
Note		For other substrates, which are not mentioned here or special requirements, special primers must be used if necessary, please ask our technical service. Detailed processing instructions can be found in the respective product data sheets or are available on request.			

Areas of application

- To UV- and weather exposed top decks
- Intermediate decks in MSCP and underground garages
- Bridge walkways for pedestrian traffic
- Pedestrian and bicycles bridges

System properties

- **Good, with PU and PAS top coat very good UV and colour stability**
- **Wide range of colours** accord. to RAL and NCS
- **Basic testing accord. EN 1504-2, DIN V 18026, Class OS 11 a**
- **Dynamic crack-bridging B3.2 (-20°C)**
- **High quality system with separate water proofing membrane and wear and scattering layer**
- Anti slip surfaces R10 – R12
- **Trafficable** with cars and similar
- **Chemically resistant** to petrol, diesel, oil, de-icing salts and others
- **Good abrasion and wear resistance**
- Fire classification **C_{fi}-s1 / B_{fi}-s1**



Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
Dynamic crack-bridging	EN 1062-7	Class B3.2 > 0.25 – 0.3 mm (-20°C)
Abrasion resistance (H22 wheel)	EN ISO 5470-1	1375 mg /1000 U (≤ 3.000) (EP 590/1)
CO ₂ permeability	EN 1062-6	Class III ≥ 61 m (> 50 m)
Water vapour permeability	EN ISO 7783-1 und -2	Class III ≥ 52 m (> 50 m)
Water absorption coefficient	EN 1062-3	< 0.01 kg/m ² x h ^{0.5} (< 0.1)
Chemical resistance	EN ISO 2812-1	DiBT test liquids 1, 3, 10, and others
Impact resistance	EN ISO 6772-2	≥ 4 Nm (IR4) – no cracks
Slip resistance	DGUV Regel 108-003 / DIN 51130	Class R10 / R11 / R12
Skid resistance after wear	EN 13036-4	≥ 56 – 61 Skt (≥ 55 Skt) (QS 03/08 mm)
Adhesive strength T _{Norm}	EN 1542	≥ 2.3 - 2.5 N/mm ² (≥ 1.5 N/mm ²)
Adhesive tensile strength after freeze-thaw change under the influence of de-icing salt	EN 13687-1 und -2	≥ 2.0 – 2.4 N/mm ² (≥ 1.5 N/mm ²)
Fire behaviour classification	EN 13501-1	C _{fi} -s1 / B _{fi} -s1

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With the publication of this issue, all previous information on this system is no longer up to date. Since the data sheets are updated regularly, it is the responsibility of the user to have the current version available. Registered users can download current data sheets from our homepage at any time. We would be happy to send them to you on request.

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