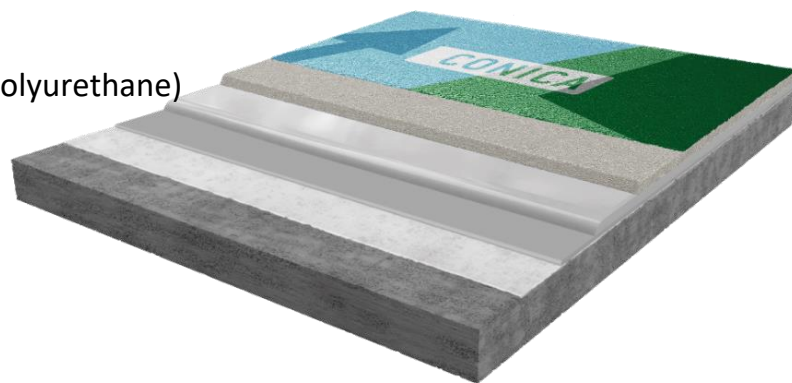


CONIPROOF PWC SP

(Parking Waterproofing Crack bridging – Spray Polyurethane)

Car park deck, class OS 10, 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 the "Guideline for Protection and Repair of Concrete Components" of the German Committee for Reinforced Concrete (October 2001 edition)



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

System design and consumption

	LAYER	PRODUCT	CONSUMPTION (kg/m²)	QS / FILLER (kg/m²)	APPLICATION
1	Primer, fast curing on strongly absorbent u. porous substrates, if necessary, 2-layer application *	CONIFLOOR EP 118 or CONIFLOOR 160	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)	CONIFLOOR EP 118 or CONIFLOOR 160 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
2.2	Adhesion promoter	CONIPROOF 165	0.05 – 0.08		Roller applied or spray applied (Airless)
3	High reactive, spray membrane and water proofing (HwO 1), based on <u>polyurethane hybrid</u> <u>fast curing</u>	CONIPROOF 410	2.1 – 2.3	none	Application with high pressure hot spray equipment. Pressure 160 - 200 bar Temperature 60 – 80°C
4	Wear and scattering layer (HwO 2) <u>fast curing</u>	CONIPROOF 492	1.3 – 2.1 Harz unfilled	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	Top coat, pigmented, glossy, UV- and colour stable, fast curing Polyaspartic resin	CONIPROOF 591/1 (PAS) others on request	0.5 – 0.9	none	Trowel / Squeegee / Rubber spatula Re-rolling recommend (for PAS within 3 – 5 minutes)
	System layer thickness	ca. 5.5 – 6.0 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 / mm², 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.			

High Performance Flooring

Sport | Decorative | Industrial | Playground

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

- **Very good to high UV- and colour stability** with PAS-top coat
- **Wide colour range accord.** RAL and NCS
- **Basic testing accord.** RILI SIB 2001, class OS 10
- **Fast curing, fast return to service**
- **Increased dynamic and statically crack-bridging IV_{T+V} (-20°C)**
- **High safety for water proofing with separate spray membrane and wear and scattering layer, seamless connection to vertical surfaces**
- 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_{fl}-s1



Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
Dynamic crack-bridging	EN 1062-7 / ZTV BEL B3	Class IV T+V (B4.2) > 0,25 - 0,4 mm (-20°C)
Abrasion resistance (H22 wheel)	EN ISO 5470-1	1375 mg /1000 U (≤ 3.000)
CO ₂ permeability	EN 1062-6	Class III ≥ 200 m (> 50 m)
Water vapour permeability	EN ISO 7783-1 und -2	Class III ≥ 152 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	≥ 60 Skt (≥ 60 Skt) (QS 03/08 mm)
Adhesive strength T _{Norm}	EN 1542	≥ 3.2 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	≥ 2.7 N/mm ² (≥ 1.5 N/mm ²)
Fire behaviour classification	EN 13501-1	C _{fl} -s1

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