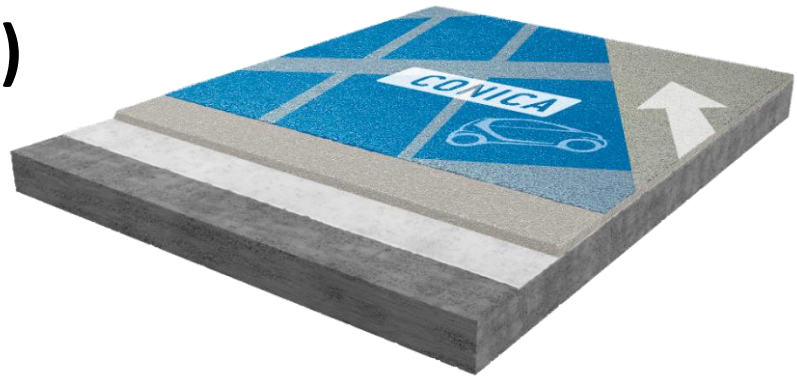
CONIPROOF PES (OS8)

(Parking Epoxy System OS8)

Car park deck coating, class OS 8, for ramps, spiral ramps and underground garages with pedestrians and vehicle traffic, rigid, with non-slip surface for medium mechanical stress according to EN 1504-2 / DIN V 18026



1 *Primer / blocking primer optional*
2 *Scratch primer with QS*
3 *Top coat pigmented*

System design and consumption

	LAYER	PRODUCT	CONSUMPTION (kg/m²)	QS / FILLER (kg/m²)	APPLICATION
1.1	Primer (optional) on strongly absorbent u. porous substrates, or if necessary as blocking primer	CONIPROOF EP 190/1 or CONIPROOF EP 191/1	0.3 – 0.5 as blocking primer min. 0.5 – 0.6 (film forming)	QS 03/08 0.8 – 1.0 (not on blocking primer)	Squeegee / roller / brush Sand broadcasting, not in excess No broadcasting as blocking primer!
1.2	Scratch coat / levelling (optional)	CONIPROOF EP 190/1 or CONIPROOF EP 191/1 filled with QS 01/03	0.6 – 1.5kg/m² incl. QS Primer = 0.4 – 1.0 QS 01/03 = 0.3 – 0.5	QS 01/03 MR 1 : 0.5 – 1 : 0.7 QS 03/08 min. 2.0 – 3.0	Trowel / smoothing rake / notched rake or spatula Sand broadcasting, not in excess
2	**Scratch primer and wear coat**	**CONIPROOF EP 190/1 / CONIPROOF EP 191/1 filled with QS 01/03**	1.6 – 2.0 kg/m² incl. QS Primer = min. 1.0 – 1.2 QS 01/03 0.6 – 0.8	QS 01/03 MR ≥ 1 : 0.5 QS 03/08 in excess min. 4.0 – 5.0	Trowel / smoothing rake / notched rake or spatula Sand broadcasting in excess After the hardening, turn off the non-integrated QS and, if necessary vacuum cleaning
3	**Top coat, pigmented, glossy, epoxy resin**	**CONIPROOF EP 590/1**			Trowel / Squeegee / Rubber spatula
	Alternative: **Top coat, pigmented, glossy, UV- and colour stable, fast curing Polyaspartic resin**	alternative **CONIPROOF 591/1 (PAS)**	0.5 – 1.2	none	Re-rolling recommend (for PAS within 3 – 5 minutes)
	Alternative: Top coat, pigmented, semi glossy, UV- and colour stable, Polyurethane resin	alternative CONIPROOF 592 (PU)			
	System layer thickness	**ca. 2.5 – 3.0 mm (Layer thickness from 1.5 mm accord. EN 13813 possible)**			
	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.			

Areas of application

- Ramps and spiral ramps
- Underground garages with concrete slabs with rising water
- Delivery ramps
- Industrial floors and workshops with wet conditions
- Technical rooms with wet conditions

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 8**
- Anti slip surfaces R10 – R12
- **Trafficable** with cars, trucks, fork lifts and similar
- **Chemically resistant** to petrol, diesel, oil, de-icing salts and others
- **Good abrasion and wear resistance**
- Fire classification **B_{fl}-s1**

Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
Abrasion resistance (H22 wheel)	EN ISO 5470-1	2498 mg /1000 U (≤ 3.000) – CP 590/1 1809 mg/1000 U (≤ 3.000) – CP 591/1
CO_2 permeability	EN 1062-6	Class III ≥ 144 m (> 50 m)
Water vapour permeability	EN ISO 7783-1 und -2	Class III ≥ 190 m (> 50 m)
Water absorption coefficient	EN 1062-3	< 0.06 – 0.08 kg/m² 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	≥ 58- 60 Skt (≥ 55 Skt) (QS 03/08 mm)
Adhesive strength T_{Norm}	EN 1542	≥ 4,0 N/mm² (≥ 2,5 N/mm²)
Adhesive tensile strength after freeze-thaw change under the influence of de-icing salt	EN 13687-1 und -2	≥ 3.8 N/mm² (≥ 2.5 N/mm²)
Adhesion on wet concrete	EN 13587	≥ 3.3 N/mm² (after 230 d storage)
Fire behaviour classification	EN 13501-1	B_{fl}-s1

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