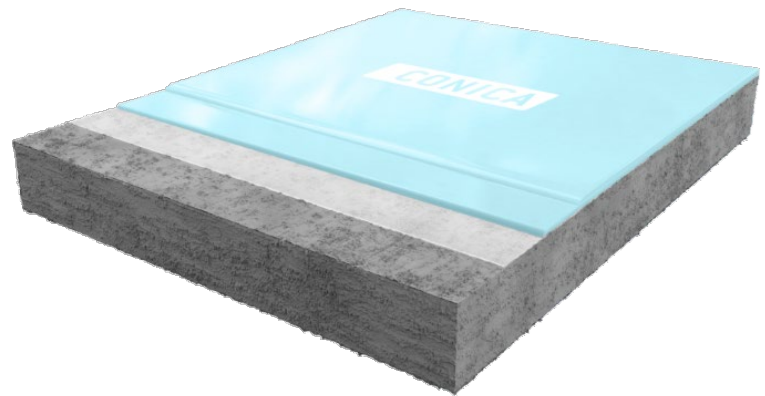


CONIFLOOR IEL

(Industrial Epoxy Light)

Hard, low-emission roller coating based on epoxy resin, thin-film and economical, for light to medium mechanical loads, for indoor use



- 1 Primer
- 2 Scratch coat optional
- 3 Roller coating in 1 – 2 layers
- 4 Matt top coat optional

System design and consumption

	LAYER	PRODUCT	CONSUMPTION (kg/m ²)	QS / FILLER (kg/m ²)	APPLICATION
1.1	Primer on strongly absorbent u. porous substrates, if necessary, 2-layer application *	CONIFLOOR EP 110 N, CONIFLOOR EP 114 or others	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
1.2	Primer (alternative) max. 4 % residual moisture content and no available rising water	CONIFLOOR EP 570 C	0.3 – 0.5	QS 03/08 0.8 – 1.0	Squeegee / roller / brush
2.1	Scratch coat / levelling (optional)	CONIFLOOR EP 110 N, CONIFLOOR EP 114 or others 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	Pore sealer / levelling layer optional / alternative	CONIFLOOR EP 570 C filled with QS 01/03	0.6 – 1.0 QS 01/03 MR ≤ 1:0.5	none	Trowel / smoothing rake / notched trowel or rake
3	Hard roller coating (Structure possible depending on layer thickness)	CONIFLOOR EP 570 C	≥ 0.3 – 0.6 optional in 2 layer to increase mechanical resistance	optional Colour flakes (≤ 2 mm)	Notched trowel / notched rake / Re-roll with paint roller micro fibre (6-8 mm at ≥ 300 – 400 g/m ² 10-11 mm at 500 – 600 g/m ²)
4	Topcoat, pigmented or transparent, matt (optional)	CONIFLOOR PU 520 CW / W	0.12 – 0.15	optional CONIFLOOR Ballotini for slip resistance	Roller (micro fibre) 11 mm
	System layer thickness	ca. 0.3 – 1.0 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 / 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.			
	Notes	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. CONICA synthetic resins are intended exclusively for commercial use!			

Areas of application

- Production areas with light to medium mechanical load and dry to moderate wet use
- Storage areas with light mechanical load
- Workshops
- Technical rooms and corridors

System properties

- **Very high** UV and colour resistance with pigmented aliphatic top coat
- **Wide range of colours** accord. to RAL
- **Very low emissions** tested according to AgBB and other standards
- Slip resistant surfaces R9 – R11 and PVT test slightly structured surface depending on consumption
- **Trafficable** with forklift and pallet trucks (Vulcollan wheels) and similar
- **For light to moderate mechanical load**
- **Hygienic**, seam less and joint less application
- Fire behaviour class **Bfl-s1**



Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
ISEGA Certificate	EN 1186 / EN 13130 / CEN/TS 14234	Requirements fulfilled with CF 570 C
Shore-Hardness	DIN ISO 868	82 D after 28 d
Chemical resistance	EN ISO 2812-1	DiBT Test liquids 10, 11,12 others on request
Impact strength	DIN EN 13813	≥ 4 Nm (IR4)
Abrasion resistance (Taber)	ISO 9352, ASTM D 1044	≤ 60 mg (incl. top coat)
Abrasion resistance (BCA)	DIN EN 13813	AR ≤ 1,0
Slip resistance	DGUV guide line 108-003 / DIN 51130 PVT Pendulum test	Class R9 / R10 / R11 (with top coat) (moderate to low risk to slip with top coat))
Adhesive strength	DIN ISO 4624	≥ 1,5 N/mm ² (Depends on substrate)
Fire classification	EN 13501-1	Bfl-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.