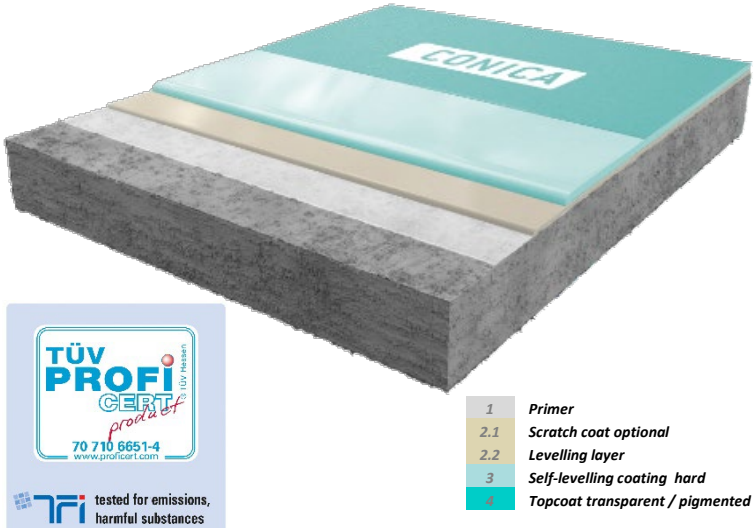
CONIFLOOR IES

(Industrial Epoxy System)

Hard, low-emission floor coating based on epoxy resin, high static and mechanical strength, trafficable with forklift trucks, for indoor use



TÜV PROFI CERT product 70 710 6651-4 www.proficert.com

tested for emissions, harmful substances PREMIUM

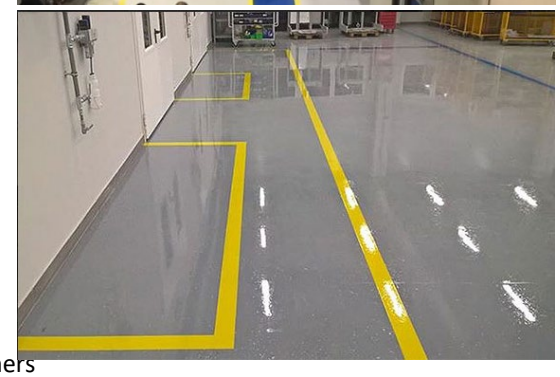
System design and consumption

	LAYER	PRODUCT	CONSUMPTION (kg/m²)	QS / FILLER (kg/m²)	APPLICATION
1	**Primer** on strongly absorbent u. porous substrates, if necessary, 2-layer application *	**CONIFLOOR EP 110** N / CONIFLOOR EP 115 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
2.1	Scratch coat / levelling (optional)	CONIFLOOR EP 110 N / CONIFLOOR EP 115 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 (recommend)	CONIFLOOR EP 430	0.8 – 1.0	none	Trowel / smoothing rake / notched trowel or rake
3	**Hard coating, self-levelling**	**CONIFLOOR EP 430** if necessary fillable with QS 01/03 (up to 70%) Depending on layer thickness and temperatures	2.5 – 4.0	optional CONIFLAKE colour flakes (1 – 2 mm)	Notched spatula or trowel / notched squeegee / spike roller for de-aerating at cold conditions or if needed recommend
4	**Topcoat, pigmented or transparent, matt** (optional)	**CONIFLOOR PU 520 CW / W** Alternative CONIFLOOR PU 586 CW (S) (light mech. use)	0.12 – 0.15	optional CONIFLOOR Ballotini for slip resistance	Roller (micro fibre 11 mm) Roller (micro fibre mix 6 mm)
	System layer thickness	**ca. 2.0 – 3.0 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.			
	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. Products printed in bold represent the tested system structure. **CONICA synthetic resins are intended exclusively for commercial use!**			

Areas of application

- Production halls with dry and moderately wet use
- Department stores and high-bay warehouses
- Hospitals, medical practices
- Laboratories, clean rooms, pharmaceutical industry
- Technical rooms and corridors





System properties

- **Very high** UV and colour resistance with pigmented aliphatic top coat
- **Wide range of colours** accord. to RAL and NCS
- Slip resistant surfaces R9 – R11
- **Trafficable** with forklift and pallet trucks and similar
- Warm to feet, also **suitable for floor heating**
- **Hygienic**, joint and seamless surfaces easy to clean
- Alternative top coats reduce the risk of spreading germs
- over the soil and do not provide a breeding ground for microorganisms
- **Very low emissions tested** according to TÜV Proficert, AgBB, M1, A + and others
- Flame retardant class **B_{fl}-s1**

Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
Shore-Hardness	DIN ISO 868	80 D after 28 d
Flexural strength	EN 196 / ASTM C109	ca. 58 N/mm²
Compressive strength	EN 196 / ASTM C109	ca. 67,5 N/mm²
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	Class R9 / R10 / R11 (with top coat)
Adhesive strength	DIN ISO 4624	≥ 1,5 N/mm² (Depends on substrate)
Fire classification	EN 13501-1	B_{fl}-s1
Low emission tested	AgBB / M1 / TÜV Proficert Interior **Premium /** MVV TB Annex 8 / ABG **/** BREEAM Exemplary Level / LEED v4 / CAM Italy / A+ and others	Very low emission

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The content of this information sheet is non-binding. With regard to the variety of surfaces and object conditions on the one hand, and on the other hand due to the fact that the application and processing of this product are beyond our control, the buyer and / or user is not released from the obligation to its own responsibility, to check and ensure, that this product is suitable for the intended use. Our verbal, written advice and tests is non-binding.

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.