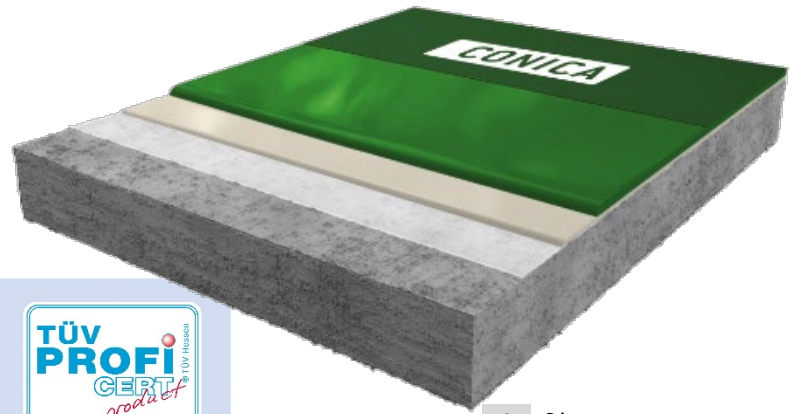


CONIFLOOR IPS

(Industrial Polyurethane System)

Tough hard, very low-emission floor coating based on polyurethane resin, statically crack bridging, mechanically resilient for indoor use, partially for outdoor use and on asphalt screed (indoor)



System design and consumption

	LAYER	PRODUCT	CONSUMPTION (kg/m²)	QS / FILLER (kg/m²)	APPLICATION
1.1	Primer for cementitious substrates on strongly absorbent u. porous substrates, if necessary, 2-layer application *	CONIFLOOR EP 116 LE / CONIFLOOR EP 112 CONIFLOOR EP 110	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	Scratch primer on asphalt screed indoor	CONIFLOOR 420	0.4 – 0.	none	Trowel / smoothing rake / notched trowel or rake
2	Scratch coat / levelling (optional)	CONIFLOOR EP 116 LE / CONIFLOOR EP 112 CONIFLOOR EP 110 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
3.1	Pore sealer / levelling layer (recommend)	CONIFLOOR 420	0.8 – 1.0	none	Trowel / smoothing rake / notched trowel or rake
3.2	Tough hard coating, self-levelling to increase total layer thickness (optional for System CF IPS plus)	CONIFLOOR 420 if necessary fillable with QS 01/03 (up to 30%) Depending on layer thickness and temperatures	2.5 – 3.0	none	Notched spatula or trowel / notched squeegee / spike roller for de-aerating at cold conditions or if needed recommend
3	Tough hard coating, self-levelling	CONIFLOOR 420 if necessary fillable with QS 01/03 (up to 30%) Depending on layer thickness and temperatures	2.5 – 3.0	none	Notched spatula or trowel / notched squeegee / spike roller for de-aerating at cold conditions or if needed recommend
4	Topcoat, <u>pigmented</u> , matt	CONIFLOOR 520 CW Alternative CONIFLOOR 520 CW ab	0.12 – 0.15	optional CONIFLOOR Ballotini for slip resistance	Roller (micro fibre) 11 mm
	System layer thickness	ca. 2.0 – 4.0 mm (CONIFLOOR IPS and IPS A ca. 2.0 – 3.0 mm, CONIFLOOR IPS plus ca. 4.0 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.			

High Performance Flooring

Sport | Decorative | Industrial | Playground

Areas of application

- Production areas with dry and moderate wet conditions
- Logistic centres and high bay warehouses
- Hospitals, medical practices, laboratories, pharmaceutical production
- Exhibition areas, restaurants
- For special substrates as asphalt screed, wood, anhydrite (indoor)

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 other
- Statically **crack bridging**
- Flame retardant class **B_{fl}-s1**



Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
Statically crack bridging	EN 1062-7	Class A4 > 1.25 mm (achieved < 1.4 mm at 23°C)
Elongation at break (Coating)	DIN 53504	ca. 30 %
Shore-Hardness	DIN ISO 868	69 D after 28 d
Flexural strength	EN 196 / ASTM C109	ca. 28 N/mm ²
Compressive strength	EN 196 / ASTM C109	ca. 51 N/mm ²
Chemical resistance	EN ISO 2812-1	DiBT Test liquids 2, 3, 10, 11 other on request
Impact strength	DIN EN 13813	≥ 4 Nm (IR4)
Abrasion resistance (Taber)	ISO 9352, ASTM D 1044	≤ 23 mg (incl. topcoat)
Abrasion resistance (BCA)	DIN EN 13813	AR ≤ 0,5
Slip resistance	DGUV guideline 108-003 / DIN 51130	Class R9 / R10 / R11
Adhesive strength	DIN ISO 4624	≥ 1,5 N/mm ² (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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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.