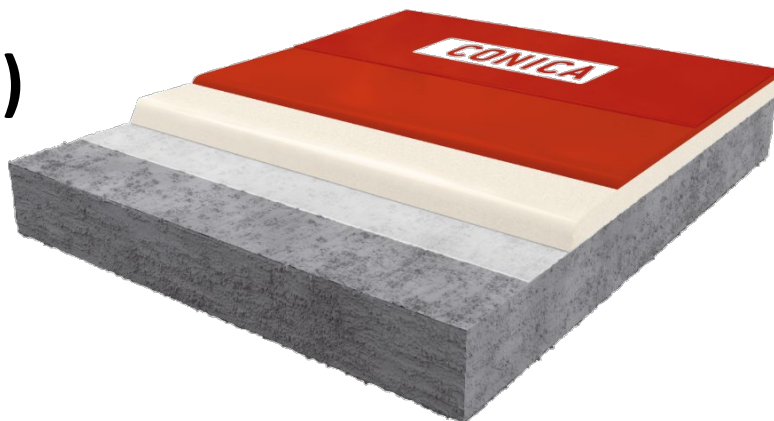


CONIFLOOR LPC+ LI (N)

(Living Polyurethane Comfort + liquid mat)

Highly comfortable, very low-emission floor coating on the basis of polyurethane resin with additional liquid mat as an elastic layer, highly elastic, comfortable to walk with very high impact sound and walking noise reducing properties for indoor use



- 1 Primer
- 2 Scratch coat optional
- 3 Elastic layer / Liquid mat
- 4 Self-levelling coating elastic
- 5 Topcoat pigmented

System design and consumption

LAYER	PRODUCT	CONSUMPTION (kg/m ²)	QS / FILLER (kg/m ²)	APPLICATION	
1	Primer on strongly absorbent u. porous substrates, if necessary, 2-layer application *	CONIFLOOR EP 110 / CONIFLOOR EP 112LE CONIFLOOR EP 116LE	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	Scratch coat / levelling (optional)	CONIFLOOR EP 110 / CONIFLOOR EP 112LE CONIFLOOR EP 116LE 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	Elastic layer / liquid mat impact sound reducing	CONIFLOOR 445 LI	1.5 – 3.0 (0,75 kg/m ² / mm)	none	Pin rake / Mixing with double head mixer or compulsory mixer
4	Highly elastic coating, self-levelling, flame retardant	CONIFLOOR 440/1 FL	2.5 – 3.0	none	Notched spatula or trowel / notched squeegee / spike roller for de-aerating at cold conditions or if needed recommend
5	Top coat <u>pigmented</u>, matt	CONIFLOOR 541 CW alternative CONIFLOOR 541 CW ab	0.12 – 0.15	optional CONIFLOOR Ballotini for slip resistance	Roller (micro fibre) 11 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 / 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.				

Areas of application*

- Hospitals, medical practices, Nursing homes
- Schools, kindergartens, universities, libraries
- Offices and public buildings
- Private living areas

* too high point loads due to heavy furniture or too small and sharp-edged contact surfaces must be avoided with this system.

System properties

- **Very high** UV and colour resistance with pigmented aliphatic top coat
- Wide range of colours and for **individual design applications**
- **Very low emissions** tested according to AgBB, M1, A + and other standards
- **Reducing impact and walking noise** (16 - 18 dB)
- R9 - R11 non-slip surfaces
- **Comfortable** to walk and warm to feet
- **Hygienic**, joint and seamless surfaces easy to clean
- Statically **crack bridging**
- Flame retardant class **B_{fl}-s1**
- Easy and fast application



Technical data (internal / external approvals)

PROPERTIES	STANDARD	VALUES
Statically crack bridging	EN 1062-7	Class A4 > 1.25 (achieved < 2,3 mm at 23°C)
Elongation at break (Coating)	DIN 53504	ca. 150 % (Coating) ca. 115 % (Elastic layer)
Tear resistance	DIN 53515	ca. 15 N/mm ²
Shore-hardness	DIN ISO 868 after 28 d	ca. 80 A (Coating) ca. 55 A (Elastic layer)
Residual indentation behaviour	on basis of DIN EN ISO 24343-1	≤ 0.09 mm (25 MPa) ≤ 0.26 mm (50 MPa)
Impact sound reduction	ISO 10140-1	ca. 16 - 18 dB (4 mm – 6 mm)
Impact strength	EN 13813	≥ 6 Nm (IR6)
Abrasion resistance (Taber)	ISO 9352, ASTM D 1044	≤ 15 mg (inkl. Versiegelung)
Abrasion resistance (BCA)	DIN EN 13813	AR ≤ 0,5
Slip resistance	DGUV guide line 108-003 / DIN 51130	Klasse R9 / R10 / R11
Adhesive strength	DIN ISO 4624	≥ 1,5 N/mm ² (Depending on substrate)
Fire classification	EN 13501-1	B _{fl} -s1
Emission	AgBB / M1 / TÜV Proficert Premium	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.

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