CONIFLOOR LPC

(Living Polyurethane Comfort)

Comfortable, very low-emission floor coating based on polyurethane resin, highly elastic, comfortable to walk with impact sound and walking noise-reducing properties for indoor use

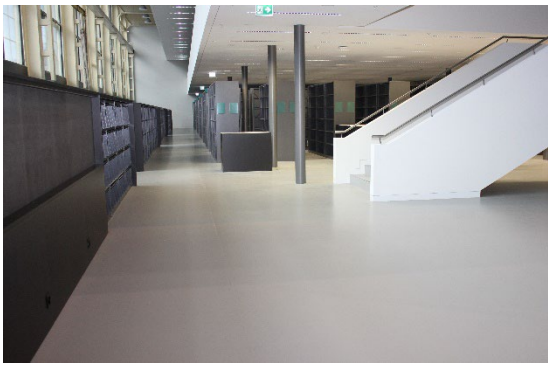
1	*Primer*
2.1	*Scratch coat optional*
2.2	*Levelling recommend*
4	*Self-levelling coating elastic*
5	*Top coat pigmented*

TÜV PROFI CERT product 70 710 6651-2 www.profi-cert.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** / 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
2.1	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
2.2	**Pore sealer / levelling layer (recommend)**	**CONIFLOOR 440** / alternative CONIFLOOR 440/1 FL	0.8 – 1.0	none	Trowel / smoothing rake / notched trowel or rake
3	**Highly elastic coating, self-levelling**	**CONIFLOOR 440** alternative 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
4	**Top coat pigmented, 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 / 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.			

Areas of application



- Hospitals, medical practices, Nursing homes
- Schools, kindergartens, universities, libraries
- Offices and public buildings
- Shops, restaurants, canteens
- Exhibition areas, entrance halls
- Private living areas

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** 5 dB (3 mm)
- 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**

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)
Tear resistance	DIN 53515	ca. 15 N/mm²
Shore-hardness	DIN ISO 868	80 A after 28 d (Coating)
Residual indentation behaviour	on the basis of DIN EN ISO 24343-1	≤ 0.02 mm (25 MPa) ≤ 0.04 mm (50 MPa)
Impact sound reduction	ISO 10140-1	ca. 5 dB (3 mm)
Impact strength	EN 13813	≥ 6 Nm (IR6)
Abrasion resistance (Taber)	ISO 9352, ASTM D 1044	≤ 15 mg (incl. top coat)
Abrasion resistance (BCA)	DIN EN 13813	AR ≤ 0,5
Slip resistance	DGUV guide line 108-003 / DIN 51130	Class R9 / R10 / R11
Adhesive strength	DIN ISO 4624	≥ 1,5 N/mm² (Depending on subsoil)
Fire classification	EN 13501-1	B_{fl}-s1
Emission	AgBB / M1 / TÜV Proficert **Premium**	Very low emission

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