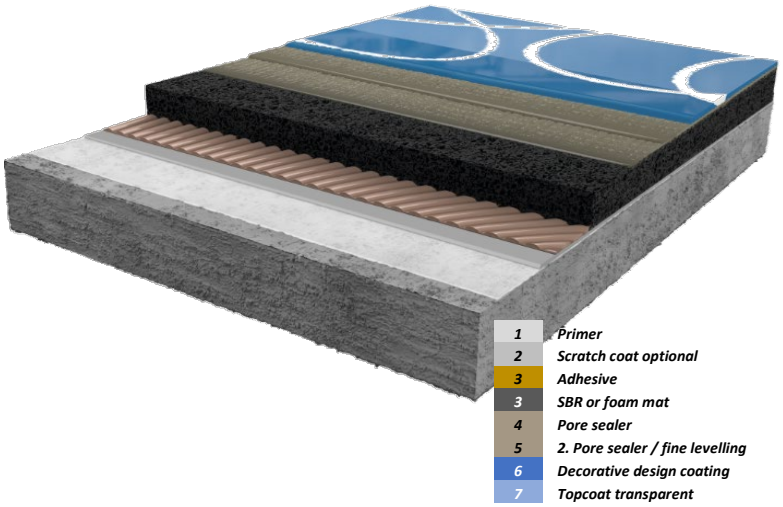
# CONIFLOOR UPD+

(Urban Polyurethane Decorative + Elastic mat)

**Highly comfortable, decorative, and low-emission floor coating based on aliphatic polyurethane resin with elastic SBR or foam mat, elastic, comfortable to walk with very high impact sound and walking noise-reducing properties for indoor use**

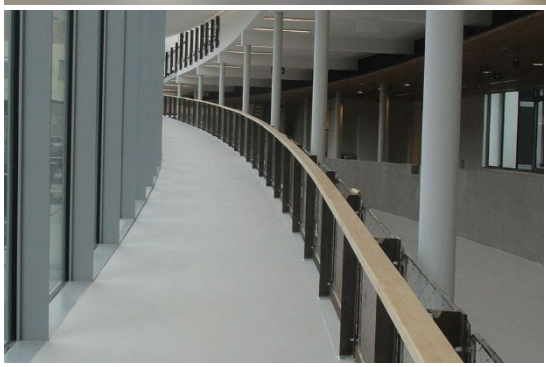



## System design and consumption

| | LAYER | PRODUCT | CONSUMPTION (kg/m²) | QS / FILLER (kg/m²) | APPLICATION |
|---|---|---|---|---|---|
| 1 | **Primer**<br>on strongly absorbent u. porous substrates, if necessary, 2-layer application * | **CONIFLOOR EP 110 N** /<br>**CONIFLOOR EP 712 N**<br>**CONIFLOOR EP 716 N**<br>or others | 0.3 – 0.5<br>* 2-layers if necessary or scratch coat | QS 03/08<br>0.8 – 1.0 | Squeegee / roller / brush<br>Sand broadcasting, not in excess |
| 2.1 | Scratch coat / levelling (optional) | CONIFLOOR EP 110 N /<br>CONIFLOOR EP 712 N<br>CONIFLOOR EP 716 N<br>or others filled with QS 01/03 | 0.6 – 1.0<br>QS 01/03<br>MR ≤ 1:1 | QS 03/08<br>2.0 – 3.0 | Trowel / smoothing rake / notched trowel or squeegee<br>Sand broadcasting, not in excess |
| 3 | **Adhesive with elastic mat (SBR or foam mat)** | **CONIFLOOR PU 210**<br>CONIFLOOR mat (G30), 4 or 6 mm<br>Alternative CONIFLOOR mat. (F40), 4 or 6 mm | 0.8 – 1.0<br>1.0 m²<br>1.0 m² | none | Notched trowel / notched squeegee /<br>Mat is rolled into fresh adhesive or on small areas first cut and then half side glued in fresh adhesive<br>after 30 – 60 minutes re-roll with floor roller 50 kg |
| 4 | **Pore sealer, elastic, flame retardant** | **CONIFLOOR PU 340 FL** | 0.8 – 1.0 | none | Trowel / smoothing trowel with rounded edges |
| 5 | **2. pore sealer, fine levelling, elastic, flame retardant** | **CONIFLOOR PU 340 FL** | 0.5 – 0.7 | none | Trowel / smoothing trowel with rounded edges |
| 6 | **Decorative self-levelling coating** | **CONIFLOOR PU 450 (N)** | 2.5 – 3.0 | optional<br>colour flakes (2 mm) or design floor (mixed colours) | Notched spatula or trowel / notched squeegee / trowel depending on required design |
| 7 | **Topcoat transparent, matt**<br>Satin, semi-gloos | **CONIFLOOR PU 541/1 W** (ab)<br>Alternative<br>CONIFLOOR PU 588 W (S/G) | 0.11 – 0.13 | optional<br>CONIFLOOR Ballotini<br>for slip resistance | Roller (micro fibre) 11 mm<br>Roller (micro fibre mix) 6 mm |
| | **System layer thickness** | **ca. 6.0 – 8.0 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.<br>**CONICA resins are intended for commercial use only!** | | | |

## Areas of application

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



## System properties

- **Very high** UV and colour resistance
- Wide range of colours and for **individual design applications**
- Very **low emissions** tested according to AgBB, M2, A ++ and other standards
- Highly **reducing impact and walking noise** (18 - 20 dB)
- R9 - R11 non-slip surfaces
- **Comfortable** to walk and warm to feet
- **Hygienic**, joint, and seamless surfaces easy to clean
- Statically **crack bridging**

## 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. 60 % (Coating)<br>ca. 78 % (Pore sealer) |
| Tear resistance | DIN 53515 | ca. 15 N/mm² |
| Shore-hardness | DIN ISO 868 | 87 A after 28 d (coating)<br>80 A after 28 d (pore sealer) |
| Residual indentation behaviour | on the basis of DIN EN ISO 24343-1 | ≤ 0.04 mm (25 MPa)<br>≤ 0.07 mm (50 MPa) |
| Impact sound reduction | ISO 10140-1 | ca. 18 - 20 dB (4 mm – 6 mm) |
| Impact strength | EN 13813 | ≥ 6 Nm (IR6) |
| Abrasion resistance (Taber) | ISO 9352, ASTM D 1044 | ≤ 15 mg 500 g/1000 U (incl. top coat)<br>≤ 30 mg 1000 g/1000 U (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 (Depends on substrate) |
| Fire classification | EN 13501-1 | $E_{fl}$ |
| Emission | AgBB / M1 | Low emission fulfilled |

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