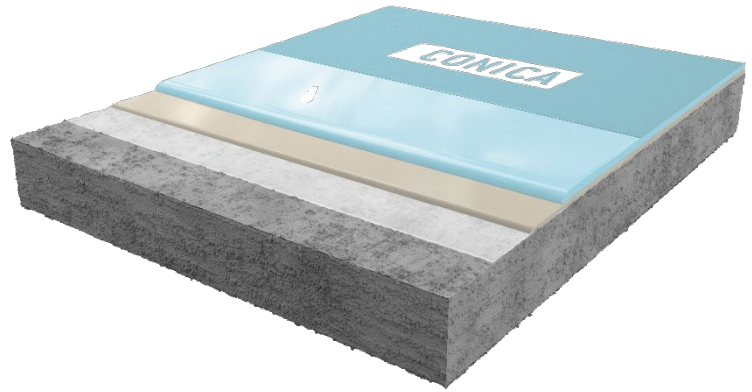


## CONIFLOOR IEL SL

(Industrial Epoxy Light Self-Levelling)

Hard, low-emission self-levelling coating based on epoxy resin, for medium to high mechanical loads, trafficable with forklift trucks, for indoor use



- 1 Primer
- 2 Scratch coat optional
- 3 Self-levelling coating (fillable)
- 4 Matt top coat optional

### System design and consumption

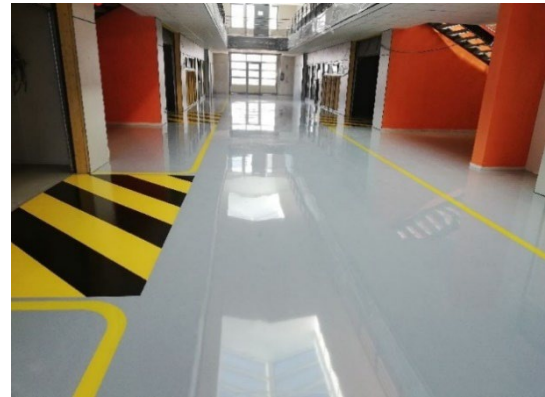
| LAYER                  | PRODUCT                                                                                          | CONSUMPTION<br>(kg/m²)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QS / FILLER<br>(kg/m²)                                         | APPLICATION                                                                     |                                                                                                                                                                                                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1                    | <b>Primer</b><br>on strongly absorbent u. porous substrates, if necessary, 2-layer application * | <b>CONIFLOOR EP 110 N,</b><br>CONIFLOOR EP 114 or others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.3 – 0.5<br>* 2-layers if necessary<br>or scratch coat        | *QS 03/08<br>0.8 – 1.0                                                          | Squeegee / roller / brush<br>*Broadcasting of QS only if the reworking time is exceeded, then either sanding or levelling is required                                                                                                             |
| 2.1                    | Scratch coat / levelling (optional)                                                              | CONIFLOOR EP 110 N,<br>CONIFLOOR EP 114<br>or others filled with<br>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 /<br>notched trowel or squeegee<br>*Broadcasting of QS only if the reworking time is exceeded, then either sanding or levelling is required                                                                               |
| 2.2                    | Pore sealer / levelling layer optional / alternative                                             | CONIFLOOR EP 570 C<br>filled with QS 01/03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.6 – 1.0<br>QS 01/03<br>MR ≤ 1 : 0.5                          | none                                                                            | Trowel / smoothing rake /<br>notched trowel or rake                                                                                                                                                                                               |
| 3                      | <b>Hard coating, self-levelling, with quartz sand filled on job site</b>                         | <b>CONIFLOOR EP 570 C</b><br>filled with QS 01/03<br><u>Filling grade**</u> depends on layer thickness and temperatures and also of used filler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ≥ 1.7 – 3.5<br><br>QS 01/03<br>MR ≥ 1 : 0.5 up to<br>≤ 1:0.8** | optional<br>CONIFLAK colour<br>flakes (1-2 mm)                                  | Notched spatula or trowel /<br>notched squeegee / <b>spike roller</b><br>for de-aerating at cold conditions or if needed <b>recommend</b><br>(light structure can be visible depending on filling grade, substrate roughness and layer thickness) |
| 4                      | Topcoat, pigmented or transparent, matt (optional)                                               | CONIFLOOR PU 520 CW / W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.12 – 0.15                                                    | optional<br>CONIFLOOR<br>Ballotini<br>for slip resistance<br>(see test reports) | Roller (micro fibre) 11 mm                                                                                                                                                                                                                        |
| System layer thickness |                                                                                                  | approx. 1.5 - 2.0 mm **<br>(Degree of filling depends on the filler used as well as on the temperature and consumption)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                |                                                                                 |                                                                                                                                                                                                                                                   |
| Substrate              |                                                                                                  | 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><b>CONICA synthetic resins are intended exclusively for commercial use!</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                |                                                                                 |                                                                                                                                                                                                                                                   |

## Areas of application

- Production areas with medium to high mechanical load and dry to moderate wet use
- Storage areas with medium to high mechanical load (depends on layer thickness)
- Hospitals and healthcare facilities
- Laboratories, pharmaceutical industry
- Technical rooms and corridors

## System properties

- **Good to high** UV and colour resistance with pigmented aliphatic top coat
- **Wide range of colours** accord. to RAL or NCS
- **Low emissions** tested according to AgBB and other standards
- Slip resistant surfaces R9 – R11 and PVT test
- **Trafficable** with forklift and pallet trucks and similar
- **For medium to high mechanical load** depending on layer thickness
- **Hygienic**, seam less and joint less application
- **Individual use** depending on layer thickness and filling grade



## Technical data (internal / external approvals)

| PROPERTIES                  | STANDARD                                                 | VALUES                                                                                |
|-----------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| ISEGA Certificate           | EN 1186 / EN 13130 / CEN/TS 14234                        | Requirements fulfilled with CF EP 570 C                                               |
| Shore-Hardness              | DIN ISO 868                                              | 82 D after 28 d                                                                       |
| 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 ≤ 0,5                                                                              |
| Slip resistance             | DGUV guide line 108-003 / DIN 51130<br>PVT Pendulum test | Class R9 / R10 / R11 (with top coat)<br>(moderate to low risk to slip with top coat)) |
| Adhesive strength           | DIN ISO 4624                                             | ≥ 1,5 N/mm <sup>2</sup> (Depends on substrate)                                        |
| Fire classification         | EN 13501-1                                               | B <sub>f1</sub> -s1 (tested in system IEL)                                            |

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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.*