l'unicflex™ | ATHLETICS TRACKS · POLYURETHANE

# PUD1523 Elastic WB Transparent Sealer 1K

Water-based aliphatic elastic PUD transparent varnish

**FINISH**
**Transparent**
glossy topcoat varnish

| 1.05 g/cm³ | 32 % | 1 h | 2 days | 0.250 kg/m² |
|---|---|---|---|---|
| Mixed density (20 °C) | Solids content | Surface dry (20 °C) | Full curing | Consumption per coat |

## Product description

PUD1523 Elastic WB Transparent Sealer 1K is a transparent, water-based aliphatic glossy topcoat varnish based on elastic PUD. It protects and renews SBR / EPDM and elastic PU sports surfaces.

## Usage areas

- Protective topcoat on cast, tile or rolled SBR / EPDM
- Protective coating on artificial leather, elastic PU castings and coatings
- Protective / renewing coating on EPDM texture of athletics tracks
- Economical, fast renovation of worn tile, SBR and EPDM surfaces
- Fitness and children's playground floors

## Advantages

- High elasticity, tear and scratch resistance
- Excellent adhesion as topcoat of L'unicflex Multi
- High UV resistance, aesthetic appearance
- Applicable in all climates on elastic floors
- Resistant to water, sea water, dilute acids, mineral oils and fuels
- Water-based – cleaned with water

## Position in the system

**Line marking**
UNIPU OVERLINE 2K

**UV topcoat (optional)** — THIS PRODUCT
PUD1523 transparent sealer · 2 × 0.250 kg/m²

**EPDM granules**
Coloured EPDM 1–3.5 mm broadcast

**Elastic layer**
UNIPU 901 2K · 2.2 kg/m²

**Pore filler**
PU 901 SEALER 2K · 1.3 kg/m²

**SBR base layer**
SBR 1–4 mm + UNIPU 030 1K · approx. 10 mm

**Primer**
UNIPU 045 1K (concrete) · UNIPU 060 1K (asphalt)

**Substrate**
Concrete / asphalt (min. 30 days, moisture ≤ 3 %)

## L'unicflex MULTI

PU sandwich system for athletics tracks

**EN 14808 · EN 14809 · EN 13036-4**
Athletics surfaces · test report available

Also part of the L'unicflex PRO full-PU athletics track system.

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## System performance · DIN 18035-6

Results of the L'unicflex MULTI sandwich athletics system (SBR base + **PU 901 SEALER 2K** + **UNIPU 901 2K** + EPDM), documented by accredited laboratories in England.

| 38 % | 2.2 mm | 0.59 N/mm² | 66 % | 77 |
|---|---|---|---|---|
| Force reduction | Vertical deformation | Tensile strength | Elongation at break | Slip resistance (wet) |

Water permeability: impermeable · Flammability: DIN 51960 Class 1. Athletics test report available upon request.

## Technical data (at +20 °C)

| | | | |
|---|---|---|---|
| Colour | **Transparent** | Full drying time (20 °C) | **4 h** |
| Mixed density (20 °C) | **1.05 g/cm³** | Applicable rel. humidity | **40–90 %** |
| Solids content | **32 %** | Full curing time | **2 days** |
| Substrate / ambient temp. | **+10 °C to +40 °C** | Consumption | **0.250 kg/m² per coat** |
| Surface drying time (20 °C) | **1 h** | Shelf life | **12 months** |

## Application procedure

**01 — Surface preparation**
Apply once cast SBR / EPDM starts to cure – no primer. Solid, dry, smooth and clean; renovations need an adhesion test and abrasion. Min. 3 °C above dew point.

**02 — Mixing**
Ready to use. At +20…+25 °C mix with a slow-speed mixer (300 rpm) for 2–3 min. If necessary dilute with 10–15 % tap water.

**03 — Application**
Apply two coats of 0.250 kg/m² by air / airless spray, levelled with a short-pile velvet roller.

**04 — Curing**
Protect from direct water contact for the first 6 h; do not apply if the surface is exposed to rain.

**Application conditions**
**+15 °C – +35 °C**
Ambient temperature; substrate +10…+50 °C, humidity 40–90 %. No application in rain.

**Consumption**
**0.250 kg/m²**
Per coat, applied in 2 coats – depending on substrate porosity and permeability.

**Important:** protect the finished coating from water for at least 24 hours. Sudden temperature drops may cause whitening, stains or a matt appearance – in large day/night differences start and finish early.

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## Storage

- Store in original sealed packaging in dry conditions at +10…+35 °C.
- Protect from frost.
- Shelf life: 12 months from production.

## Safety

- Not classified as hazardous once cured.
- Contains no formaldehyde, asbestos or mercury.
- See the Material Safety Data Sheet (MSDS).

## Cleaning

- Clean re-usable tools with tap water.
- Do not use alcohol-based or aromatic solvents.

### LEGAL NOTE

The explanations provided in this technical data sheet are based on test evaluations and results conducted according to relevant standards and are intended to guide applicators. As workmanship, weather conditions, construction, equipment used and other variables that may affect results are entirely beyond our control, UNICA does not provide any explicit or implicit warranty regarding this material. UNICA only guarantees that the material conforms to its product specifications, and its sole responsibility towards the buyer or user of this product is limited to the replacement value of the product in case of manufacturing defects. Under no circumstances shall UNICA be liable for any direct or incidental, special or consequential injury, loss or damage arising from the material or its application. UNICA shall not be held responsible in any way for any defects, alterations or changes in conditions in the substrate where its products are applied.