l'unicflex™ | ATHLETICS TRACKS · POLYURETHANE

PU 901 SL 2K

Self-levelling elastic polyurethane coating for tartan sports floors

COLOUR
Various colours
coloured A component

1.38 g/cm³	99 %	20–25 min	4–5 h	61 %
Mixed density (20 °C)	Solids (by weight)	Pot life (20 °C)	Touch dry (20 °C)	Elongation

Product description

PU 901 SL 2K is an elastic, two-component, coloured, solvent-free self-levelling polyurethane coating for tartan sports floors. It is applied over **PU 901 SEALER 2K** without primer and forms the elastic wearing layer of full polyurethane sports systems.

Uses

- Athletics tracks and walking paths
- Full polyurethane sports systems
- Multi-purpose SBR and EPDM courts
- School play areas and indoor game halls (as system component)
- Repair and renewal of existing PU-coated sports floors

Advantages

- Solvent-free
- High elasticity, durability and tear resistance
- High moisture resistance, optimum curing
- Can be applied in all climatic conditions
- Designed for outdoor durability
- Easy to apply

Position in the system

Self-levelling elastic layer — THIS PRODUCT
PU 901 SL 2K · approx. 2.40 kg/m²

Pore filler
PU 901 SEALER 2K

SBR base layer
SBR granules + UNIPU 030 1K

Primer
UNIPU 045 1K · UNIPU 060 1K

Substrate
Concrete / asphalt

L'unicflex PU sports systems

Full-PU elastic layer for tartan tracks and courts

Applied over PU 901 SEALER 2K once it starts to cure – no primer needed.

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
Factory: Gümüşova OSB 1. Sk. No:4 İç Kapı No:1 Gümüşova / Düzce – TÜRKİYE
T +90 216 304 03 05 · F +90 216 304 12 15
unicaboya.com · info@unicaboya.com

Technical data (at +20 °C)

Component A	**PU resin (coloured)**	Touch dry (20 °C)	**4–5 h**
Component B	**PU hardener**	Full dry (20 °C)	**24 h**
Colour	**Various colours**	Full cure	**7 days**
Mixed density (20 °C)	**1.38 g/cm³**	Elongation	**61 %**
Solids (by weight)	**99 %**	Shore hardness	**A 88 · D 52**
Application temperature	**+10 °C to +30 °C**	Recoat interval	**min. 16 h – max. 24 h**
Pot life (20 °C)	**20–25 min**	Shelf life	**6 months**

Chemical resistance

Diluted acids · Diluted & concentrated alkalis · Cleaning detergents · Disinfectants · Vegetable, mineral & animal oils · Fresh & sea water · Diesel & gasoline · Alcohol · Many other solvents

Application procedure

01

Surface preparation

Apply once **PU 901 SEALER 2K** starts to cure – no primer. The surface must be dry, clean and free of dust and oil. After more than 48 h, apply **UNIPU 060 1K** first.

02

Mixing

Condition kits to +15…+25 °C. Mix component A 3–4 min at 300–400 rpm, add B, transfer to a clean container, mix 1–2 min and rest 1–2 min.

03

Application

Spread with a notched trowel to the desired thickness and de-aerate with a spiked roller when the coating reaches a suitable consistency.

04

Recoating

Recoat within min. 16 h – max. 24 h. If exceeded, sand the surface for good adhesion.

Mixing ratio (by weight)

89 parts | **11 parts**

- **89 parts** — Component A – PU resin (coloured)
- **11 parts** — Component B – hardener

Supplied as ready-to-use kits. Never add thinners or solvents.

Application conditions
+10 °C – +30 °C
Ambient and surface temperature. No application in extreme heat, rain or wind.

Consumption
approx. 2.40 kg/m²
For 1.5–2 mm on impermeable, flat surfaces; varies with the selected system.

Pot life
20–25 min
At +20 °C. Do not prepare more than can be applied within the pot life.

Important: protect the finished coating from water for at least 24 hours. Immediate water contact causes a sticky film that must be removed and re-applied.

Points to consider

- Bring materials to site 1–2 days before use; in cold weather heat the area and condition packs at +20…+25 °C.
- Mix with a 300–400 rpm mechanical mixer and PU paddle – never by hand; transfer to a clean container.
- Low temperatures extend pot life and curing and increase consumption; high temperatures shorten them.
- With large day/night temperature differences, start and finish early on the same day.
- Two-component PU systems must be applied by professional, experienced teams.
- For application over existing coatings, consult the Unica technical service.

Packaging

- A component 200 kg
- B component 200 kg

Storage

- Store unopened, sealed packs in cool, dry areas, protected from frost.
- Shelf life: 6 months at +15…+25 °C.
- Opened packs: use within 2 weeks after thorough mixing.

Safety

- Not classified as hazardous; contains no formaldehyde, asbestos or mercury.
- Contains flame-retardant additives.
- Wear workwear, goggles, mask and gloves – the hardener is irritating.
- Apply in ventilated areas. See the Safety Data Sheet.

Cleaning

- Clean tools before the material dries with UP-002 Thinner.
- Cured material can only be removed mechanically.

LEGAL NOTE

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