unica

l'unicflex™ | LINE MARKING · POLYURETHANE

PU Overline 2K

Solvent-based elastic matt PU line marking topcoat

COLOURS
6 standard colours

1.20 g/cm³	55 s	75 min	< 24 h	5 days
Mixed density	Mixed viscosity (FC 4)	Pot life (23 °C)	Ready for foot traffic	Fully cured (23 °C)

Product description

PU OVERLINE 2K is an elastic, weathering-resistant line marking coating for indoor and outdoor L'UNICFLEX sports surfacing systems. As a pigmented system it improves UV resistance and colour stability on outdoor sports surfaces.

Applied systems

- L'unicflex PU indoor (BS EN 14904 tested system)
- L'unicflex MULTI and PRO athletics tracks
- L'unicflex SPRAY COAT systems – and other applications

Advantages

- Long pot life
- Excellent curing
- Very good moisture resistance during curing
- Outstanding durability and wear resistance
- Strength and elasticity once cured
- Easy to apply in all conditions

Position in the system

Line marking — PU OVERLINE 2K · game lines — THIS PRODUCT

Matt topcoat — PU FLEX MATT TOPCOAT 2K · 0.20–0.25 kg/m²

Elastic layer — PU ELASTIC SL 2K · 2 × 1.2 kg/m²

Pore filler — PU SEALER 2K · approx. 0.70 kg/m²

Rubber base — SBR prefabricated roll, bonded with UNIPU 030 2K

Primer — UNEPOX PRIMER 2K · 0.15–0.25 kg/m²

Substrate — Concrete (min. 30 days, moisture ≤ 3 %)

L'unicflex PU indoor

Polyurethane indoor sports floor system

BS EN 14904:2006
Tested system · UK CST accredited laboratory

Also used in the L'unicflex PU GYM indoor and PU PG indoor systems.

System performance · BS EN 14904:2006

Results of the L'unicflex PU indoor system (rubber base + **PU SEALER 2K** + 2 × **PU ELASTIC SL 2K** + matt topcoat), tested in a UK CST accredited laboratory.

31 %	1.9 mm	99 %	104	No damage
Shock absorption	Vertical deformation	Vertical ball rebound	Friction	Rolling load

The test report can be shared upon request.

Technical data (at +20 °C)

Density A / B	**1.23 / 1.08 g/cm³**	Application temperature	**+10 °C to +30 °C**
Mixed density	**1.20 g/cm³**	Rel. humidity	**max. 90 %**
Viscosity (FC 4) A / B	**110 / 75 s**	Recoating interval (23 °C)	**min. 24 h – max. 3 days**
Mixed viscosity (FC 4)	**55 s**	Fully cured (23 °C)	**5 days**
Pot life 12 / 23 / 30 °C	**110 / 75 / 55 min**	Shelf life	**12 months**
Ready for foot traffic	**< 24 h**		

Application procedure

01 — Surface preparation
Firm, dry, load-bearing substrate free of oil, grease, rubber marks and paint. Can be applied directly on **PU FLEX MATT TOPCOAT 2K**. Concrete moisture max. 4 %.

02 — Mixing
Homogenise component A. Weigh A and B 75 : 25, mix at approx. 300 rpm for at least 2 min, transfer and mix 1 more minute. Components at +15…+25 °C.

03 — Application
Mark lines with masking tape and apply with a short-haired roller or brush. Remove the tape after 3–4 h.

04 — Curing
Protect from water for a few hours; do not apply if rain is expected. Sports use after 48 h in the PU indoor system.

Mixing ratio (by weight)



- **75 parts** — Base (component A, coloured)
- **25 parts** — Hardener (component B)

Mixed material temperature above +15 °C. Never add thinners.

Application conditions
+10 °C – +30 °C
Substrate and application temperature; relative humidity max. 90 %.

Pot life
75 min
At +23 °C (110 min at 12 °C, 55 min at 30 °C). Direct sunlight shortens it.

Important: as with all isocyanate systems, water may cause foaming – protect the fresh lines from water for a few hours.

Colour range

White | Yellow | Red | Blue | Green | Black

Chips are indicative only.

Packaging

- 16 kg can A + 4 kg can B
- 4 kg can A + 1 kg can B

Storage

- Store in original closed containers in dry conditions at +5…+25 °C.
- Do not expose to direct sunlight.
- Shelf life: 12 months under these conditions.

Safety

- Non-hazardous when cured.
- Contains no formaldehyde, asbestos, mercury, lead or chromate.
- See the Safety Data Sheet (SDS).

LEGAL NOTE

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