

Technical Information Sheet Article No. 9830

PUR Indu Color D40

Flexible, solvent free, two component coating on a polyurethane base

Range of use

PUR Indu Color D40 is used an abrasion resistant seamless fleece reinforced system for parking decks and balconies. PUR Indu Color D40 can also be used as self-levelling flooring system in showrooms, offices and warehouses. PUR Indu Color D40 can be used on concrete, road asphalt*, wood, steel and aluminium surfaces.

Description

PUR Indu Color D40 is a solvent free, two component flexible room temperature curing coating. PUR Indu Color D40 is especially suitable for fleece-reinforced crack bridging systems. Typical car park top deck system build up:

- Epoxy FAS100 primer (0.5 kg/m²)
- PUR Indu Color D40 (3.0 kg /m²) membrane incorporating fleece reinforcement
- PUR Indu Color D40 top layer (0.75 kg/m²) blinded with quartz aggregate
- PUR Color Top 2K S seal coat (0.4 kg/m²)

Characteristic data of the product

Appearance:	liquid
Density component A:	1.46 kg/litre
Density component B:	1.22 kg/litre
Density mixed:	1.41 kg/litre
Viscosity component A:	2000 – 4000 mPa.s/20°C
Viscosity component B:	150 – 250 mPa.s/20°C
Adhesion:	good on clean, dry and grease free surfaces. Surfaces have to be pre-treated.
Tensile Strength DIN 53455:	10 – 14 MPa
Elongation at break DIN 53455:	at least 70%
Tear resistance DIN 53515:	at least 55 kN/m
Shore A/D DIN 53505 :	A = 90 D = 40
Bond strength (without primer):	Concrete > 2.5 MPa Steel > 14 MPa
Mixing ratio:	80 parts component A by weight 20 parts component B by weight

Pretreatment

Asphalts*: Please contact Remmers UK technical department for project specific advice.

Concrete: prime the prepared substrate using suitable Remmers Primer Epoxy FAS 100.

Mixing

Using a suitable electric mixing drill and paddle, mix component A first, then slowly add component B to

the resin component and mix for 3-5 minutes.

Pot life

20 – 30 minutes, depending on the packing size and the temperature of the PUR Indu Color D40.

Application

The primer must be blinded with quartz aggregate should it not be subsequently overlaid within the permissible overcoat time. By first using a brush and then an air

* consult Remmers UK technical department for project specific advice.

blower, ensure that when cured any loose quartz is thoroughly removed prior to overlaying with PUR Indu Color D 40. The PUR Indu Color D40 has to be applied within 48 hours (depending on temperature 15°C - 25°C). When this period is exceeded the surface has to be ground or abraded before applying the next layer. PUR Indu Color D40 has to be applied with a steel trowel, roller or squeegee.

PUR Indu Color D40 can be applied at temperatures between 5°C and 30°C. The surface temperature has to be 3 °C above the dew point since any water film will prevent bonding.

Layer thickness

2–5 mm, depending on the substrate surface profile and specific project requirements.

Appearance, colour

Semi gloss
Colour – Refer to Colour chart.

Consumption

1.4 kg/m²/mm dependent on the surface roughness of the substrate.

With the incorporation of a non-woven needle punched thermo fixed polyester fleece (110g/m²) the consumption is approximately. 3 – 4 kg/m². The layer thickness of the crack bridging system is approximately 2.5 – 3 mm.

Curing

The curing depends on the surface, surrounding and material temperature, PUR Indu Color D40 has to be applied and cured between 5 °C and 30 °C. Acceleration is possible when a fast cure is required. Please contact Remmers UK technical department for project specific advice.

Cleaning

Tools can be cleaned with suitable solvents.

Packaging

12.5 kg or 25 kg

Health and Safety precautions

It is important to take all necessary safety and health precautions as listed in the MSDS. Therefore avoid skin and eye contact by using protective cream and/or gloves.

When using the PUR Indu Color D40 in small rooms sufficient ventilation is required.

Safety, ecology, disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

9830-TI-08.07



Remmers (UK) Limited Crawley
United Kingdom
Tel: +44(0) 845 373 0103
Fax: +44(0)845 373 0104
www.remmers.co.uk

Remmers (Far East) Pte. Ltd.
Singapore
Tel: +65 6 7410277
Fax: +65 6 7417158