

Technical Information Sheet
Article No. 6735/6740/6741/6742

PUR Top (M/SG/G/Plus)

(Arti Top)

Transparent polyurethane seal coats.

Range of use

PUR Top is a range of thin film polyurethane seal coats for synthetic resin coatings with exceptional scratch resistance. The products are available in three gloss levels, with or without included slip resistant bead finish.

Used to impart a tough lacquered finish to resin floors to minimise scratching, impart specific matt/gloss levels and/or offer increased slip resistance without the surface becoming difficult to clean.

Property profile

Low odour, solvent free, moisture curing transparent, polyurethane seal coats. Grades available are;

674003 M	Matt
673503 M Plus	
674103 SG	Silk Gloss
674196 SG Plus	
674203 G	Gloss
674286 G Plus	

'Plus' grades have a slip-resistant surface which is provided by inclusion of hard polymer beads within the material to give a slip resistant profile 'straight from the can'. These grades of product comply with German slip resistance test standard level R11 and BS8204 'low slip' rating.

Characteristic data of the product

Appearance:	milky /clear liquid
Density (20 °C):	1.16 g/cm ³
Pot life:	n/a – single component
Abrasion:	0.02 g Taber, CS 17 / 1000 rev / 1000 g
Slip resistance BS8204:	M+ Grade: Low Slip Potential (59)
Dust dry:	4-6 hours
Full Cure:	5 days
Solids content:	100%

The material does not contain UV absorbers which should be borne in mind when over-coating non stabilised base layers.

Substrate

As a seal coat for epoxy and polyurethane coatings and self-smoothing finishes.

The clean, load-bearing surface that is free of substances that could interfere with adhesion should be normally sealed within 48 hours.

If this is not possible, the surface should be abraded first with a fine mesh grinding pad onto an orbital STG machine and the dust removed. The use of PUR Top directly on ceramic tiles is not recommended as the bond is often insufficient.

Preparation

Mix thoroughly with a slow speed mixer (max. 400 rpm).

Decant into a roller tray and apply to the surface using a suitable short haired non shedding PU roller with tapered edges.

Once applied roller lines can be removed by very light passing of a mid pile epoxy roller (non shedding) in one direction only. Re-rolling will leave visible marks in the surface.

Great care should be taken to apply the material in a consistent manner to avoid both over application and removal of the seal coat.

Consistent technique and roller patterns (straight, regular lines only!) should be used to ensure an even finish.

The rollers should be replaced with new rollers after 30 minutes. Open containers must also be used within the same period. Material and rollers that are used too long cause a gloss or visible roller marks on the surface.

Pot-life

As the material is single component it can be re-sealed for use later.

Material which has been exposed to atmospheric moisture for more than 30 minutes should be used or discarded.

Notes on working

The temperature of the material, air and substrate should be at least 10 °C, max. 25 °C and relative humidity should not exceed 80 %. The temperature of the substrate must be at least 3 °C above the dew point temperature.

Do not add solvents.

Drying time

At 20 °C and 60 % relative humidity the seal coat can be subjected to foot traffic after approx. 16 hours and lightly loaded after 2 days. Full mechanical and chemical loading capacity is achieved after 5 days at 20 °C.

Lower temperatures or low humidity delay drying.

Notes

All of the values given above were determined under laboratory conditions. When worked at the building site, these values may deviate slightly.

Grinding mechanical loads leads to wear marks on the surface of the sealant. Not suitable for vehicles with metal or polyamide tyres!

If layers are too thick, blisters or 'whitening' may form in the sealant, which can only be removed mechanically.

All grades of PUR Top can be coloured by addition of Artico Color Paste by adding 1.5kg of Artico Color Paste in the desired RAL/NCS colour shade to a 2.5kg unit of PUR Top, to make a fully light stable coloured seal coat. Do not use water based pastes. Addition of the colour paste slows the cure rate down by approximately 30%.

Further notes on working and maintenance of the products listed are found in the latest Technical Information Sheets as well as in Remmers System Recommendation.

Tools, cleaning

Mixing equipment, epoxy and PU roller, protective gloves. Clean tools and any splashed material while fresh with V 101 Thinner. Once the sealant has reacted, it can only be removed mechanically.

Packaging, application rate, shelf-life

Packaging:

2.5 kg tin containers

Application rate:

Max. 0.10 kg/m²

Shelf-life:

12 months in unopened and un-mixed, original containers stored frost-free.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

GISCODE: PU 50

Chem VOC Paint V (2004/42/EC):

Group (LB): j

Stage 2 (2010) max. 500 g/l

Stage 1 (2007): max. 550 g/l

This product contains < 500 g/l

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.

GB 6735-42 - 07.09

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