

# Peran TL Thin Layer Coating

## Description

Peran TL Thin Layer Coating is a 2-component pigmented epoxy system that does not contain solvent. It is normally applied in thicknesses of 0.4 mm approx. 1 mm. The normal thickness is 0.5 mm.

## Applications

Peran TL Thin Layer Coating a surface-levelling thin coating for more demanding surfaces, such as in dry environments in the light engineering industry, the pharmaceutical industry, corridor, personnel areas, culverts, and warehousing, etc.

## Advantages

- Available in smooth and anti-slip versions.
- Rapid installation
- Very resistant to wear, impermeable, and easily cleaned surface.
- Complies with high hygienic standards.
- Very good resistance to chemicals.
- Type approved for fire safety (Swedish Standard).

## Planning guide

### New concrete floor

Laitance is removed by blasting or diamond-grinding.

### Old concrete floor, possibly with worn or loose paint:

Wash if necessary, and diamond-grind, blast or scour to produce a clean concrete surface.

### Older epoxy or acrylic coatings with satisfactory adhesion:

ash if necessary, and diamond-grind, blast or scour.

**Note the following:** The quality of the concrete in the substrate requirements for operations in the premises. Contact the supplier for advice if there are impurities such as oils etc., in the concrete. Take preventive measure to prevent rising damp in floors at ground level. This implies the requisite drainage and capillary barrier, and where appropriate insulation, to prevent both capillary absorption of water and water vapour pressure.

## System guide

	Fire safety approved	Impermeability	Slip resistance	Cleanable/Hygiene	Wear resistance	Wear resistance	Thermal load	ESD adaptation	Chemical resistance	Heavy traffic	Scratch resistance
<b>TL</b>	5	5	1	5	1	2	1	0	2	1	2
<b>TL Structure</b>	5	5	5	3	2	3	2	0	2	2	3

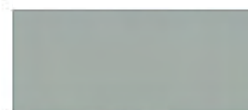
## Standard colour chart



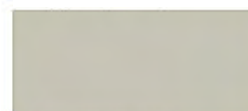
Emerald-green (S4020G10Y)



Lemon-yellow340 (S2040T30R)



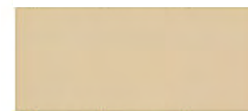
Dove-grey250 (S3502D)



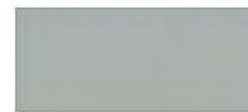
Yellow grey (S2502-Y)



Sky-blue 452 (S2020 R90B)



Chamois 326 (S2010-Y30R)



Iron grey 222 (S3500N)

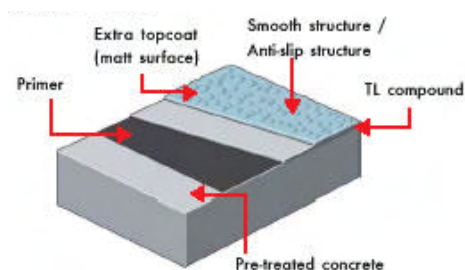


Brick red 640 (S3040 Y60R)

The applied colours may differ slightly from the examples shown above.

Contact our customer services for a true colour sample or a special colour match.

## System design



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- The requisite filling is implemented with Peran epoxy filler or special cement filler. Check that slopes and gradients are correct.
- Maximum permitted moisture in the substrate is 97% RH.
- Connections to grille drains, drainage channels and gutters, and connection to other areas, recesses and skirting, should be implemented in accordance with our drawings.

## Cleaning and maintenance

The surface is kept clean by brushing, vacuum cleaning, wet mopping, or with a scouring machine with a revolving brush. Detergent with a pH of between 3-14 in dosed form can be used. Strong solvents such as acetone and paint thinner etc. should be used. Damaged or worn coatings are best rectified by an authorized Peran contractor.

## Technical information

All Peran Systems are tested in accordance with industrial standards for seamless thermoset plastic flooring in Europe.

Property	Test method
Wear Resistance	Taber abrasion test, DIN 53-754
Adhesion	EN 1542
Compression strength	EN 12190
Impact resistance	ISO 6272
Elasticity module	ISO 178
Water permeability	EN ISO 7783-1
Chemical resistance	5-grade scale
Slip resistance	Pendulum slip resistance test BS 6677
Fire safety class G	SS 024825 (NT Fire 007)

## Environmental considerations

The end product is assessed as presenting no danger to health or the environment. Seamless bonding and high surface impermeability provide significant benefits in terms of hygiene and the environment. The surface is easy to clean and requires little use of chemicals. High strength and resistance to wear ensure a long service-life and reduce the need for repairs and maintenance. The surface provides an excellent underlay for future renovation treatment with Peran Systems

