

Self Smoothing Epoxy Top Coat (TDS).

DESCRIPTION :

PanCoat SL is Solvent Free, heavy duty, protective Epoxy resin coating, which harden and extends the life and improves the appearance of new or old concrete. It provides a low maintenance, attractive surface to new and old floors, in areas where an abrasion and chemical resistant coating are required.

USES :

PanCoat SL is suitable for use in all types of industrial locations particularly in Automobile Industries, Pharmaceutical, Hangars and factories where it will withstand both pedestrian and forklift traffic.

ADVANTAGES :

- **Dust free** : Dustproofs, seals and hardens in one operation.
- **Durable** : Low maintenance costs .
- **Penetrating** : Strengthens porous surfaces such as concrete.
- **Fast Curing** : Floors can be back in use in 12 hours.
- **Chemical Resistant** : Excellent resistance to a wide range of chemicals.
- **Hygienic** : Solvent Free, Oder Free, impervious finish provides easily cleaned surface.
- **Tough** : Withstands forklift traffic.
- **Slip Resistant** : Non-slip aggregate can be incorporated to provide slip resistance.

Physical Properties :

Type	Epoxy Top Coat SL	
Mixing Ratio	Rasin : Hardner – 2:1	
Pot life @ 25 °C	55 min	
Compressive Strength	> 65 N/mm ²	
Tensile Strength	12 – 18 N/mm ²	
Flexural strength	> 40 N/mm ²	
Bond strength	Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa.	
Hardness Shore D	> 80 %	
Cure Time:	@ 25 °C	@ 35 °C
Tack free dry	12 Hrs	8 Hrs
Hard Dry	24 Hrs	16 Hrs
Thikness	1-5 mm	
Cleaner	Normal	
Self Life	12 months when stored as recommended in original unopened containers	





Packed :

1. Resin,
2. Hardener,
3. Aggregate (Formulated)

Available Packing: 15 kg, 30 kg, 300 kg.

Chemical Resistance Chart:

Reagent	Concentration (%)	PanCoat-SL
Acetic Acid	11	R
Acetone	100	N
Ammonia	10	R
	35	L
Beer	100	R
Citric Acid	50	R
Formic Acid	50	N
Hydrochloric Acid	25	R
Hydrogen Peroxide	22 vol	R
Kerosine	100	R
Lactic acid	25	R
Methylated Spirit	100	N
Milk	100	R
Nitric acid	30	R
Nitric acid	70	N
Oleic acid	100	R
Orange Juice	100	R
Petrol	100	R
Phosphoric Acid	100	R
Red Wine	100	R
Salt	Saturated	R
Sodium hydroxide	50	R
Sodium hyperchlorite	15	R
Sugar	Saturated	L
Sulphuric acid	10	R
Sulphuric acid	25	R
	75	R

R : RESISTANT
L : LIMITED RESISTANT
N : NOT RESISTANT

APPLICATION PROCEDURE :

Surface Preparation – Concrete:

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH before applying the system. All substrate's havin at least 25 mpa Compressive strength should be sound and free from contamination with oil, grease and other matter. Any oil or grease contamination must be removed completely by *grinding, scabbling or shot blasting* the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with a neutral degreaser (please refer to Technical Services Department). Laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above.



Priming:

Priming is one of the essential step of epoxy flooring laid under floor preparation. Its works in 2 way. 1st one is by sealing floor surface to avoid under surface impurities. 2nd its creates a durable bond to surfaces like countertops that is crack resistant, and holds up against everyday wear and tear. **EPO P.R.** professionally modified as floor requirement.

MIXING AND APPLICATION:

PANCOAT having three –pack system, supplied in pre-weighted units ready to mix and use on site. The entire contents of the hardener container should be added to the base container, the cap replaced and mix vigorously for two minutes, to ensure that the Aggregate contents are evenly spread throughout the sealer. Invert the container during mixing.

Safety Precautions

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medial help. Use safety glasses with side shields and wear protective rubber gloves.

DISPOSAL:

All tools and equipment should be cleaned with Concern solvent cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

STORAGE:

Shelf life at least 12 months if stored in original containers between 5 °C and 25°C.

Note: * PanCoat SL, Eposcreed / EPO-PR are products trademark of M/s Pandia Poly OPC Pvt. Ltd.

Technical Service and Quality Assurance:

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Pandia's product for the is own particular purpose. Pandia Poly cannot be held responsible for any errors.

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Flooring Solution

