

## Self Smoothing Polyurethane Concrete Flooring (TDS).

### **DESCRIPTION :**

Polycrete SL is four component heavy duty, protective P.U base Concrete with Matte finish floor 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 :**

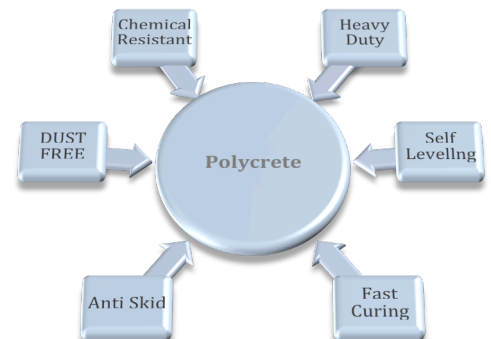
Polycrete SL is suitable for use in all types of industrial and commercial locations particularly in office Automobile Industries, Pharmaceutical, Hangars, Parking and factories where it will withstand both pedestrian and forklift traffic.

### **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.
- **Thermal Shock Resistance** : To counter Heat and Cold fluctuation
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### **Physical Properties :**

Type	<b>Polyurethane Concrete Flooring</b>	
Mixing Ratio	Pre Weight Kit	
Pot life @ 27 °C	10-12 min	
Compressive Strength	50-60 mpa	
Tensile Strength	6 – 9 mpa	
Flexural strength	17 – 22 mpa	
Abrasion Resistance	78 – 120 mg loss	
Elongation	1.2-1.5%	
Hardness Shore D	> 80 %	
<b>Cure Time:</b>	@ 25 °C	
Surface Dry	20-30 min	
Tack free dry	1-2 Hrs	
Hard Dry	24 Hrs	
Thikness	1-5 mm	
Cleaner	Normal	
Self Life	8 months when stored as recommended	



**Packed :**

1. Resin,
2. Hardener,
3. Aggregate (Formulated)
4. Pigment (Selected)

**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. professionally modified as floor requirement.

**MIXING AND APPLICATION:**

**Polycreat SL** 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 8months if stored in original containers between 5 °C and 25°C.

**Note:** \* Polycrrete 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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