



Polyurethane Flooring-SL (TDS).

DESCRIPTION:

Polycoat SL is heavy duty, protective P.U resin coating, flow applied cementitious polyurethane floor topping system designed with the highest order of durability to resist abrasion, chemical attack and other physical aggression. Typical application areas include food and beverage production, dairy processing, pharmaceutical and engineering process areas. which harden and extends the life and improves the appearance of new or old concrete. Its provides a low maintenance, attractive surface to new and old floors, in areas where an abrasion and chemical resistant coating are required.

USES:

Polycoat SL is suitable for use in all types of industrial locations particularly in Food and Beverage production, Dairy processing, 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	Polyurethane Flooring-SL
Mixing Ratio	2.5:1
Finish	Glossy/Matte
Colour	Desired
Pot life@ 27 D Celcius	25 – 30 min
Drying Time: Surface dry Tack free dry Hard Dry	25-35 min 3-4 Hrs 24 Hrs
Application	Leveller & Spetula
Cleaner	Normal
Self Life	8 Months in packed

Performance Data :



Compressive Strength	55-60 Mpa
Tensile Strength	8 – 10 Mpa
Flexural Strength	18 – 24 Mpa
Abrasion Resistance	32-38 Mg loss
Elongation	25-30%
Shore D	82-88%
Working Temp.	Upto 82 D Celcius

Packed:

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

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 substrates 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.

MIXING AND APPLICATION:

Polycoat SL comes with a 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 shaken vigorously for two minutes, to ensure that the Aggregate contents are evenly spread throughout the sealer. Invert the container during mixing.

DISPOSAL:

All tools and equipment should be cleaned with 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 8 months if stored in original containers between 10 and 25o C

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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