



## TECHNICAL DATA SHEET

### T 13 EU

#### Self-smoothing epoxy floor underlay

#### DESCRIPTION

T 13 EU is an economical, self-smoothing, epoxy resin floor underlay applied between 1 - 4 mm thickness. It combines outstanding mechanical properties with chemical resistance to provide a flat, seamless surface to receive epoxy based coatings or toppings

#### RECOMMENDED USAGE

T 13 EU can be used as an underlay for resin floors in

- Laboratories & clean rooms
- Food and beverage production
- Electronics and electrical industry
- Pharmaceutical manufacturing
- Warehouses and storage areas
- Automotive manufacturing
- Textile and paper mills
- Chemical industry
- General medium to heavy industry

#### TEHKNICAL DATA

Pot life	: 60 mins
Initial hardness	: 24 hrs
Full cure	: 7 days
Bond strength	: > 1.5 N/mm
Compressive strength	
ASTM C 109	: > 78 N/mm @ 7days
Flexural strength	: > 20 N/mm @7 days
BS 6319 part 3	
Tensile strength	: > 11 N /mm @7days
BS 6319 part 7	
Shore D Hardness	: > 80
ASTM D-2214	
Water absorption	: < 1%
VOC content	: 29.89 g/L

#### Drying Times

(H: Hour, D: Day)		25°C	40°C
Set to Touch		1H	2H
Dry Hard		8H	6H
Over coating Interval with recommended topcoats	Min.	6H	4H
	Max.	Extended*	Extended*

#### TITAN PAINTS AND CHEMICALS LIMITED

Door No -305, Pollachi Main Road, Sundarapuram,  
Coimbatore, Tamilnadu, India. Pin: 641021  
lpdrd@titanpaints.in; lpdsales@titanpaints.in



## TECHNICAL DATA SHEET

### COVERAGE ESTIMATES

Pack Size	15 kg	18 kg
Thickness	1 mm	2 - 4 mm
Resin (Part A)	4.0 kg	4.0 kg
Hardener (Part B)	2.4 kg	2.40 kg
Filler (Part C)	8.6 kg	11.6 kg
Coverage (approx.)	7 m <sup>2</sup> @ 1 mm thickness	4 m <sup>2</sup> @ 2 mm thickness
Mixed Density	1.68 g/cc	1.71 g/cc

### SURFACE PREPARATION

**Note:** The substrate should have a surface tensile strength of at least 1.5 N/mm<sup>2</sup>.

The concrete substrate must be hard, sound, free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, oil, grease, wax, polish etc., that will inhibit adhesion to the substrate.

New concrete floors must be allowed to cure for at least 28 days and shall have an effective damp-proof membrane below to prevent rising dampness. Contaminated concrete surfaces should be mechanically prepared, by grinding, scarification, shot blasting or similar methods and be vacuum cleaned prior to installing R 24 CE. Overwatered or otherwise weak concrete surfaces must be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

**Note:** Any joints in the base e.g. movement joints, should be brought through to the finished surface and suitably sealed.

### ABRASIVE BLAST CLEANING

T 13 EU can be removed from tools and equipment by using RTC 100 immediately after use. Any hardened material will need to be removed mechanically.

### APPLICATION DATA

Stir and mix the paint and hardener properly before use. Follow the mixing ratios correctly. Use the recommended thinners and don't over thin the paint more than the recommended levels.

Mix Ratio	: 4 : 2:11 BY Weight
Airless Spray	: Tip Range 1.6 mm
Air Spray (Conventional)	: Use suitable proprietary equipment
Brush	: Typically 35 - 45 microns can be achieved
Pot-life	

(H: Hour)	25°C	40°C
Pot-life	4H	3H

#### TITAN PAINTS AND CHEMICALS LIMITED

Door No -305, Pollachi Main Road, Sundarapuram,  
Coimbatore, Tamilnadu, India. Pin: 641021  
lpdrd@titanpaints.in; lpdsales@titanpaints.in



## TECHNICAL DATA SHEET

Thinner	: Titan Epoxy Thinner
Dilution Ratio (by volume)	:
Brush and roller	; - 5% Max.
Airless spray	: - As appropriate and lesser than 10 %
Air assisted spray	: - 5-10% Max

## APPLICATION PRECAUTIONS

---

### PRECAUTIONS

During mixing and application the following precautions should be observed: Ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

### DISPOSAL/SPILLAGE

---

Spillage of any of the product components should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the Material Safety Data Sheet.

### SAFETY FEATURES

Keep out of reach of children. Use personal protective equipment's like goggles, face masks, gloves.

In case of contact with eyes or skin, immediately rinse or wash appropriately using plenty of water and seek medical advice if any sort of irritation persists.

Do not inhale the vapour or spray.

In case of ingestion seek immediate medical attention.

This product is intended to be used only in industrial environments by qualified applicators.

### STORAGE AND TRANSPORTATION

Do not store or transport the containers under direct sunlight or at elevated temperatures or near fire ignition sources. Store the container in an upright position in order to avoid any leakage or damage.

*Shelf Life:* 12 Months for Epoxy Primer Part A and Part B from the date of manufacturing in the original tightly closed containers stored away from direct sunlight and excessive heat.

All information mentioned in this data sheet are based on tests conducted at laboratory conditions. Results may vary depending upon the atmospheric condition, application methodologies and substrates.

### TITAN PAINTS AND CHEMICALS LIMITED

Door No -305, Pollachi Main Road, Sundarapuram,  
Coimbatore, Tamilnadu, India. Pin: 641021  
lpdrd@titanpaints.in; lpdsales@titanpaints.in