

T-GUARD[®] PU-EX

Polyurethane Wall Coating for Sterile & Clean Room



T-GUARD[®] PU-EX is a single component water based Polyurethane wall coating for sterile & clean rooms. It cures to form a smooth, tough wall coating.

- Hotel kitchens
- Dairy industry
- Laboratories

Product Features

- Excellent anti-fungal performance
- Excellent non-yellowing properties
- Excellent UV resistance
- Excellent crack bridging properties
- Good abrasion resistance
- Does not support bacterial growth
- Rich lustrous finish

Areas of Application

- Clean rooms and sterile areas in pharmaceutical and bio-tech Industries
- Food and beverage industries
- Operation theatres in hospitals

Properties of Coating

Properties	Types	Unit	Value
Drying Time at 30°C	Touch Dry	Hr	30 minutes
	Hard Dry	Hr	6 Hrs
	Recoatability	Hr	8 Hrs
Curing Time	25°C-35°C	Hr	48 Hrs
Film Thickness (2 coats)		Micron	60-80
Elongation at break		%	>300
Coverage (Two coats on primed surface)			
Primer: 1) T-Guard [®] WBP		Sq mtr/kg/coat	8-10 Sq mtr/kg/coat
2) T Guard [®] PU-EX		Sq mtr/kg	4-5 Sq mtr/kg in 2 coats
Resistance to Fungal Growth			Excellent

Technical Support

Thermax provides a technical advisory service to specifiers, end users and contractors as well as on-site technical assistance in locations all over the country.

Product Specifications

Specification	T-GUARD [®] PU-EX
Type of Compound	Waterborne Polyurethane
Colour & Appearance	Coloured, Opaque Liquid
Solid Content	50±2%

T-GUARD[®] PU-EX

Surface Preparation

The new cement plaster should be given sufficient maturation time and should be perfectly dried. Level smooth the surface using appropriate wall putty. For pre-painted surfaces, remove the existing paint if loosely bonded and level the surface using appropriate wall putty. The cracks should be opened and filled with putty to level. Putty should be sanded properly to remove the undulations prior to application of the primer.

Application of Primer

Apply a coat of PRIMER T-GUARD[®] WBP as per instructions. Carry out touch-ups if required.

Application of Top Coat

Apply first coat of T-GUARD[®] PU-EX on the dried primed surface. Allow it to dry for 6 – 8 hours at ambient temp and then apply second coat. Allow second coat to dry for 24 hrs. T-GUARD[®] PU-EX coating can be applied by using brush, roller or spray.

Cleaning of Tools

Tools and equipment contaminated with liquid T-GUARD[®] PU-EX shall be cleaned with water.

Shades Available

Different types of light colour shades are available.

Shelf Life

Up to 12 months in the sealed containers are kept under cover in a dry place under normal temperature conditions.

Packing

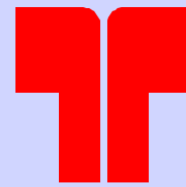
T-GUARD[®] PU-EX- 20 kg
T-GUARD[®] WBP- 5 ltr. & 20 ltr.

Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

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