

## PROPAN PU GYM TOP COAT

# TENNOKOTE®

### PU ELASTIC TOP COAT

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### PRODUCT DESCRIPTION

**PROPAN PU GYM TOP COAT** is two components, water-based polyurethane coating. This product can be applied between 50-200 micron, to provide better scratch resistance and easier to clean while maintaining elastic properties of the BODY COAT.

### FIELDS OF APPLICATION

- Gym flooring
- Sport court
- Children playground

### PRODUCT FEATURES

- Water-base, easy to apply
- Good adhesion on substrate
- Good tensile and elongation
- Good fatigue resistance

### PRODUCT SPECIFICATION

Type	: Two components water-based polyurethane coating	
	<b>Component A</b>	<b>Component B</b>
	<b>PROPAN PU GYM TOP COAT</b>	<b>HARDENER PU GYM TOP COAT</b>
Color	: As shown in color card	Clear liquid
Specific gravity	: 1.28 ± 0.04 gr/ml	1.14 ± 0.04 gr/ml
Solid by volume (mixture)	: 70 ± 3 %	
Flash point	: n.a.	
Material consumption	: 0.10-0.30 Kg set/m <sup>2</sup>	
	Recommended application 0.10 Kg set/m <sup>2</sup> ~ 50 micron DFT, for each coat.	
Drying time (@ 30°C)	:	
1. Surface dry	: 3 hours	
2. Hard dry	: 12 hours	
3. Open traffic	: 24 hours for light traffic	
Packaging	: 5 Kg-set	
Storage stability	: Two year in cool and dry storage (above freezing point) and in original unopened box.	
Mixing ratio by weight	: Comp A : B = 9 : 1 w/w	
Pot life (@30°C)	: 30 minutes	
Application method	: Short-hair roll	
Substrate	: Concrete	
Application viscosity	: Ready for Use	
Re-coating interval	: 12 hours	
Application condition	: T = 25-35 °C, RH = maximum 80%	
Provide adequate ventilation during application and drying		

## FILM PROPERTIES

Item	Result	Standard Test
Adhesion on Body Coat	: 4B	ASTM D3359
Tensile strength	: 1.0 N/mm <sup>2</sup>	ASTM D412
Elongation at break	: 50 %	ASTM D412
Shore A Hardness	: 55	ASTM D2240

*\*all properties tested using panel that has been cured for at least 28 days @ 30°C*

## OTHERS

Shelf life	: 24 months.
Storage and handling	: Store at maximum temperature 35 °C. If store under elevated temperature will shorten the shelf life. Avoid from heat and direct sunlight

## SUBSTRATE PREPARATION

Make sure that compressive strength of floor structure as good as project design requirement. Moisture content should be less than 5% and the surface temperature must be at least 3 °C above current dew temperature. Surface must be structurally sound, clean, and free from loose particles, excessive oil, grease, and other contaminants.

## APPLICATION INFORMATION

1. Mix **PROPAN PU GYM TOP COAT** with **HARDENER PU GYM TOP COAT** at mixing ratio A:B = 9:1 using electrical mixer or appropriate method.
2. Pour the mixture on the **BODY COAT**, then spread evenly using scrapper followed by short-hair roller.
3. Leave it dry for at least 3 hours before the next coating.
4. Good ventilation and air circulation in working area is suggested.

## SIMPLIFIED RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP and PRODUCT CODE	MIXING	RECOMMENDED COATING AMOUNT	CURING @ 30 °C.
Substrate: Concrete				
	Grinding 80# followed by cleaning			
1	Body Coat			
	PROPAN PU GYM BODY COAT	7	3500 gr/m <sup>2</sup> for 2000 mic DFT	12 hours
	HARDENER PU GYM BODY COAT	1		
2	Top Coat (1 <sup>st</sup> layer)			
	PROPAN PU GYM TOP COAT	9	100 gr/m <sup>2</sup> for 85 mic DFT	3 hours
	HARDENER PU GYM TOP COAT	1		
3	Top Coat (2 <sup>nd</sup> layer)			
	PROPAN PU GYM TOP COAT	9	100 gr/m <sup>2</sup> for 85 mic DFT	12 hours
	HARDENER PU GYM TOP COAT	1		

## SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective clothing such as goggles, masks, and gloves. For more information, please refer to our safety data sheet.

#### **FIRST AID:**

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.

#### **DISCLAIMER**

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.