

PROPAN PU GYM BODY COAT

TENNOKOTE[®]

PU ELASTIC LAYER

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PRODUCT DESCRIPTION

TENNOKOTE PROPAN PU GYM BODY COAT is two components polyurethane self leveling flooring. This product can be applied between 2-20 mm thickness, to provide elastic/rubber like properties, designed for sport floor application.

FIELDS OF APPLICATION

- Gym flooring
- Sport court
- Children playground

PRODUCT FEATURES

- Self-leveling, easy to apply
- Good adhesion on substrate
- Good tensile and elongation
- Good fatigue resistance

PRODUCT SPECIFICATION

Type	: Two components polyurethane flooring	
	Component A	Component B
	PROPAN PU GYM BODY COAT	HARDENER PU GYM BODY COAT
Color	: Green	Clear liquid
Specific gravity	: 1.28 ± 0.04 gr/ml	1.14 ± 0.04 gr/ml
Solid by volume (mixture)	: 95 ± 1 %	
Flash point	: n.a.	
Material consumption	: 3 - 4 Kg set/m ²	
	Recommended application 3.5 Kg set/m ² ~ 2 mm DFT	
Drying time (@ 30°C)	:	
1. Surface dry	: 5 hours	
2. Hard dry	: 12 hours	
3. Open traffic	: 24 hours for light traffic	
Packaging	: 20 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 = 7 : 1 w/w	
Pot life (@30°C)	: 30 minutes	
Application method	: Scraper then spiked 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 concrete	: 1.0 N/mm ²	ASTM D4541
Tensile strength	: 1.0 N/mm ²	ASTM D412
Elongation at break	: 100 %	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 BODY COAT** with **HARDENER PU GYM BODY COAT** at mixing ratio A:B = 7:1 using electrical mixer or appropriate method.
2. Pour the mixture on the substrate, then spread evenly using scrapper.
3. Remove any surface bubble using spiked roll.
4. Leave it dry for at least 12 hours before the next process.
5. 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 ² for 2000 mic DFT	12 hours
	HARDENER PU GYM BODY COAT	1		
2	Top Coat			
	PU SURFACE COLOR	9	150 gr/m ² for 85 mic DFT	16 hours
	HARDENER PU SURFACE	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

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