

LEYCO-PUR - TC - SYSTEM

TOP QUALITY

In- and outdoor tennis system



DESCRIPTION

LEYCO-PUR-TC is a "sandwich" polyurethane system, made out of a PUR bounded rubber granulate under layer, a Polyurethane based filler, flowing compound and topcoat. The system is extremely hard wearing, durable, water resistant, smooth and uv-resistant. **LEYCO-PUR-TC** is a shock absorbing and non skid system and do not need any maintenance except nor mal cleaning.

LEYCO-PUR-TC consists of:

- a rubber granulate "under layer" made of
1,6kg **LEYCOPUR212** and
6,4 kg Rubber granules, black 1 -3 mm
- **LEYCO PUR 221** thix, filling coat 0,8 kg/m²
- **LEYCO PUR 221** coating 2,5 kg/m²
- **LEYCO PUR 205** sealer, matt 0,8 kg/m²
Total thickness: approx. 10 mm

FIELDS OF APPLICATION

LEYCO-PUR-TC system can be used for basketball, volley-ball, play grounds and other games that require smooth surfaces. It can be also used for in- and outdoor tennis courts.

TECHNICAL DATA

Shore hardness	(ASTM D2240 DIN 53505)	80 Shore A
Tensile strength	(ASTMD412 DIN 53455)	4,5 N/mm = 650 PSI
Elongation at break	(ASTM D 41 2 DIN 53455)	80%
Absorbtion of liquids	(ASTM D 471 DIN 53459)	
- water		0,8 %
- oil		1,6%
Skid resistance dry	ASTMD1894	0,75
Skid resistance wet		0,85
Wear resistance (Taber 1 000 cycles)		0,26 g loss
Resistance to spikes		very good
Recovery from compression (ASTM D 575 B/ DIN 53455)		95%

INSTRUCTIONS FOR USE

Surface preparation:

Substrates must be firm, clean, dry and free from oil, grease and all contamination. All loose particles and excess laitance should be removed by mechanical or chemical methods. Asphalt or poured asphalt requires no special surface pre-treatment.

Cement-bound surfaces should be primed with **LEYCO-PUR 201** Primer **LEYCO-PUR 201** is to be applied with a brush or roller, in order to achieve an even distribution of the material, it should be applied cross-wise.

Consumption:

Approx. 200-250 g/m² for absorbent and porous substrates



APPLICATION INSTRUCTIONS FOR RUBBER GRANULATE UNDER-LAYER

Pour **LEYCO-PUR 212** into a compulsory mixer and mix with the rubber granulates over a period of 3-5 minutes. The working time for the mixture (rubber granulates/ **LEYCO-PUR 212**) is approx. 45-60 minutes depending on air temperature and humidity.* Depending on size, type and density of used granulates 17-22 % (by weight) **LEYCO-PUR 212**.

To achieve a certain level in quality a mechanical means of distributing and fattening of the rubber crumb surface is essential. The beams should be heated approx. 80 °C so as to be able to glide over the surface. We consider that the lain down surface has to be compressed if good physical qualities are to be achieved. This is normally done by means of a roller 180 cm long, 30 cm in diameter 120 kg) with a very long handle. To avoid crumb sticking onto the surface the roller has to be brushed by solvent.

To erase any blemishes on the surface, one rolls the surface by means of a smaller roller (50 cm long, 50 cm in diameter 15 kg PE covered). This roller too has to be brushed by solvent but not to the extent of the metal roller because of its PE covering.

*Material consumption:

APPLICATION OF LEYCO-PUR 221 THIX, FILLER

Mixing:

The entire contents of comp. B (hardener) should be poured into comp. A (resin) and the two components thoroughly mixed. Reduce wastage by not making up more material than can comfortably be applied within the pot life.

Application:

After a hardening period of 24 hours **LEYCO-PUR 221 thix** filler will be applied by spatula and is used as pores-filler for the following coating of **LEYCO-PUR 221**

APPLICATION OF LEYCO-PUR 221

Mixing:

The entire contents of comp. B (hardener) should be poured into comp. A (resin) and the two components thoroughly mixed. Reduce wastage by not making up more material than can comfortably be applied within the pot life.

Application:

After a hardening period of 24 hours **LEYCO-PUR 221** will be applied by spatula (approx. 2 mm). **LEYCO-PUR 221** results a smooth, self-levelling and shining coating with excellent, mechanical properties.

APPLICATION OF LEYCO-PUR 205

Mixing:

The entire contents of comp. B (hardener) should be poured into comp. A (resin) and the two components thoroughly mixed. Reduce wastage by not making up more material than can comfortably be applied within the pot life.

Application:

LEYCO-PUR 205 can be applied with brush, brush roller or airless spraying unit. It is to be applied in 2 coatings (max. 12 hours between each coating).



ADVANTAGES

- **waterimpermeable**
- **high elastic**
- **wear resistant**
- **seamless**
- **in- and outdoor useable**
- **high uv-resistancy**

- **smooth and anti skid**