

POLTRACK SPRAYCOAT ACRYLIC Running track spray-coat system



Innovative, new, synthetic outdoor economical system with a shock-pad for running tracks, in thickness of 13mm, or as outdoor system for refreshing old courts.

It is applied on fine asphalt or smooth, or waterproof concrete without rising humidity issues. Consists of: a first, base layer mixture, mixed at site, of the polyurethane binder **POLAPLAST P13** and **RECYCLED RUBBER 858**, a second layer (sealing layer) the acrylic pore filler **ELASTOTURF NEUTRO** on top of the cushion mixture or even directly on old, clean acrylic surfaces. The final layer (surface layer) is the mixture of highly pigmented 100% acrylic **ELASTOTURF TRACK** with colored EPDM granules in fine granulometry.

It is designed for use on new asphalt or over existing-colored surfaces. Ideal solution for making old track surfaces look good as new or make a new track altogether.

Steps:

- 1. POLAPLAST P10 - Polyurethane primer.**
Applied by airless sprayer or brush.
- 2. Mixture of POLAPLAST P13 and RECYCLED RUBBER 858.**
Applied by paving machine.
- 3. ELASTOTURF NEUTRO- Acrylic pore filler.**
Applied by squeegee.
- 4. Mixture of ELASTOTURF TRACK and EPDM granules.**
It is applied by paving machine or squeegee in two or three layers.

Preparation – Application

Applied on dry asphalt surfaces (30 days old at least) or smooth concrete surfaces (30 days at least old) without arising humidity issues and free of materials that might prevent bonding e.g. dust, loose particles etc (in case of asphalt or concrete). The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry cleaning** of the surface from dust and residues.
- Priming of the surface with **POLAPLAST P10** applied by airless spray or brush. The base coat of **POLTRACK SYSTEM** should be constructed while **POLAPLAST P10** is still sticky (wet on wet procedure), within 30-60 minutes of primer application.
- Good mixing of **POLAPLAST P13 with RECYCLED RUBBER 858**, SBR granules (0.5-2.5mm) to create a flexible shock-absorbent layer.
- The mixture is poured on the surface and spread using a suitable paving machine or other appropriate machine or a hand straightedge. If the application will be done with hand straightedge then small irregularities in the surface may be removed by compacting the fresh surface using a metallic cylinder.
- After the surface is fully cured (depending on the temperature and humidity, the curing of the shock-absorbent base coat of POLTRACK SYSTEM will take 48-72 hours), follows the application of **ELASTOTURF NEUTRO** by squeegee. Consumption: 1.3-2.5kg/m².
- After the ELASTOTURF NEUTRO is fully cured (12-24 hours depending on the temperature and humidity), follows the application of the top layer, the mixture of **ELASTOTURF TRACK** and **EPDM** granules.
- Good mixing of ELASTOTURF TRACK and EPDM granules in granulometry of 0.5-1.5mm in mixing ratio of 50:50 by weight.
- The mixture is poured on the surface and spread using a suitable paving machine or squeegee in two or three layers.

Important Remarks

- ✓ During temperatures over 40 degrees, ideal time for the application of **POLTRACK SPRAYCOAT ACRYLIC SYSTEM** is between 22:00 and 09:00 and the minimum bearing temperature during application and drying should be over 10°C.
- ✓ The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.

Substrate

Asphalt is the safer subfloor for sport floorings for sure and must be always preferred than concrete surfaces.

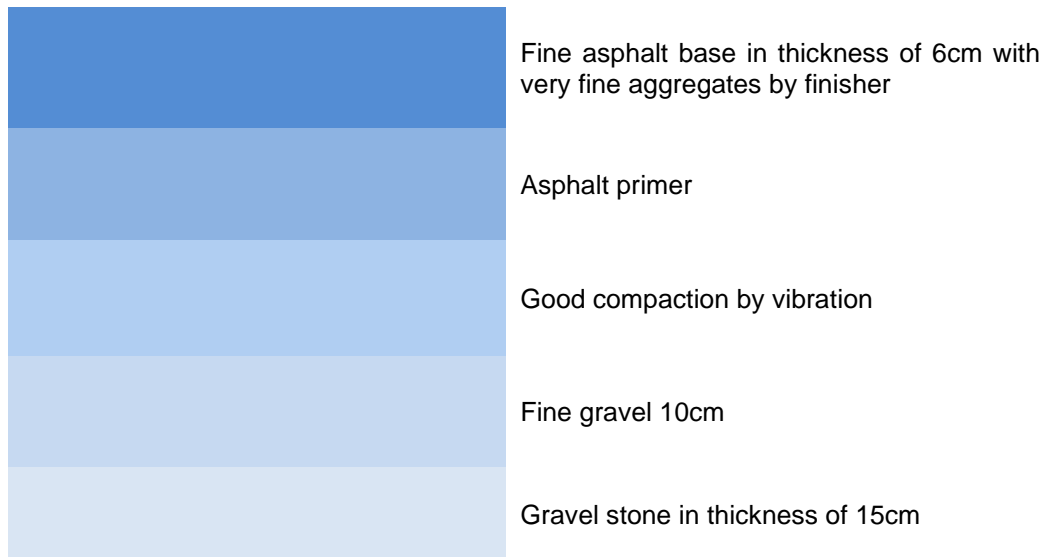
A. Asphalt Substrate

The asphalt must have a slope of 0.7-1% and must dry for at least 30 days so that all solvents from the asphalt can evaporate.

The asphalt sub-floor should be applied on well compacted 150mm road base sub-floor and asphalt should be laid in one layer (and not 2) in 6 to 8cm with fine and coarse aggregates (up to 15mm granulometry) like the kind of asphalt used in road construction.

So, new road-grade asphalt will have to be laid (minimum 60mm) in one layer containing coarse aggregates and then mature for 30 days at least, before any application takes place on top of the asphalt to avoid bubbles on the final layer of the sport or rubber floorings.

Asphalt Infrastructure



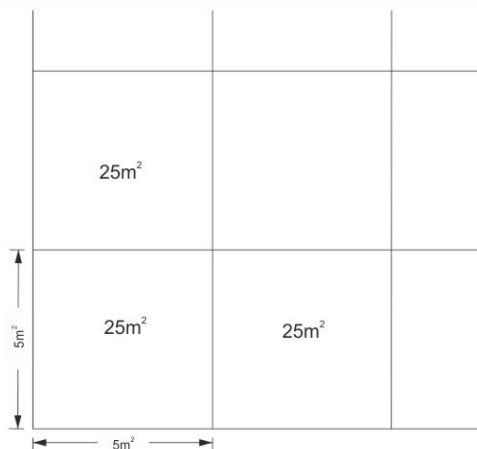
B. Concrete Surface

Concrete surface must be power-trowelled without cracks and must be smooth with a slope of 0.7-1% and humidity under 4% in 10cm depth of concrete.

Concrete must also be **dry at least for 40 days** and then the application takes place if there is no rising humidity for the sub-floor. Before the application takes place, there must be proper grinding of the surface by a grinding machine to open the pores accordingly and also a measurement by special instrument to measure humidity on the surface and in 10cm under the surface.

Generally concrete is a risky sub-floor and there may be problems with rising humidity, especially in areas where the sea level is really high and when the sea is close or in areas near greenery.

Always make expansion joints in large areas of concrete, in order to avoid uncontrollable cracks and failures. Joints should be every 25 square meters creating a grid of 5x5 meters or close to that.



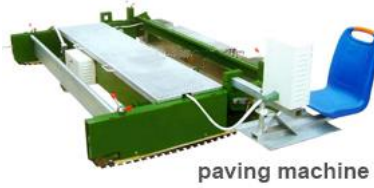
Substrate requirements

Concrete quality	at least C20/25
Age:	at least 40 days
Moisture content:	below 4%

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