

SAFEPOL COLORED SYSTEM

Certified by LABOSPORT



Elastic safety wet-pour flooring ideal for children playground in thickness from 4cm up to 15cm. Can be also used as first wet-pour layer of 6mm – 15mm for volleyball, handball, basketball, football courts and multipurpose courts, with the parallel use of paver machine.

Consists of mixture of **RECYCLED RUBBER 858** with **colored PU BINDER 1120** applied by trowel with the parallel use of a cylinder (10kg). It can create many designs and patterns since the binder is produced in various colors with the parallel use of special PU UV-resistant paint **POLYSPORT XP 1069** in a 2 cross layers by airless spray.

The mixture of **RECYCLED RUBBER 858** with **colored PU BINDER 1120** is applied in thickness of 40mm till 150mm and can be colored in all the thickness or alternatively, in the last 10mm minimum top thickness of the system.

In both cases, the top coat is the special PU UV – resistant paint **POLYSPORT XP 1069**.

KDF - Kataskeves Dapedon LTD
e : exports@kdf.gr w : www.kdf.gr

Showroom Office
19th km National Road Thessaloniki-Moudania
57001, Neo Rysio, Thessaloniki, Greece
t / f : +30 2310 829598

Accounting Office
19 Mitropoleos Str
54624, Thessaloniki, Greece



Steps:

a/ Playground Application

1. **PU PRIMER 870** – Polyurethane Primer. Applied by brush in two layers. It is recommended that the second layer should be applied in sections each time, right before the application of the mixture of **PU BINDER 1120** and **RECYCLED RUBBER 858** in order to ensure proper adhesion, especially on the edges and endings of the playground flooring.
2. **Mixture of RECYCLED RUBBER 858, colored PU BINDER 1120.** Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting. Minimum 40mm thick or 10mm thick on 30mm mixture of SBR plus PU BINDER.
3. **POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**

Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.

b/ Sport Flooring Application

1. **PU PRIMER 870** – Polyurethane Primer. Applied by brush. It is recommended that the second layer should be applied in sections each time, right before the application of the mixture of **PU BINDER 1120** and **RECYCLED RUBBER 858** to ensure proper adhesion, especially on the edges and endings of the playground flooring.
2. **Mixture of RECYCLED RUBBER 858, colored PU BINDER 1120.** Applied by paver machine in total thickness of 10mm.
3. **POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**

Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.

Important Remarks

- ✓ During temperatures over 40 degrees, ideal time for the application of **SAFEPOL COLORED 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.
- ✓ In case it gets damaged, it is simply repaired and recoated on the spot.

Substrate

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

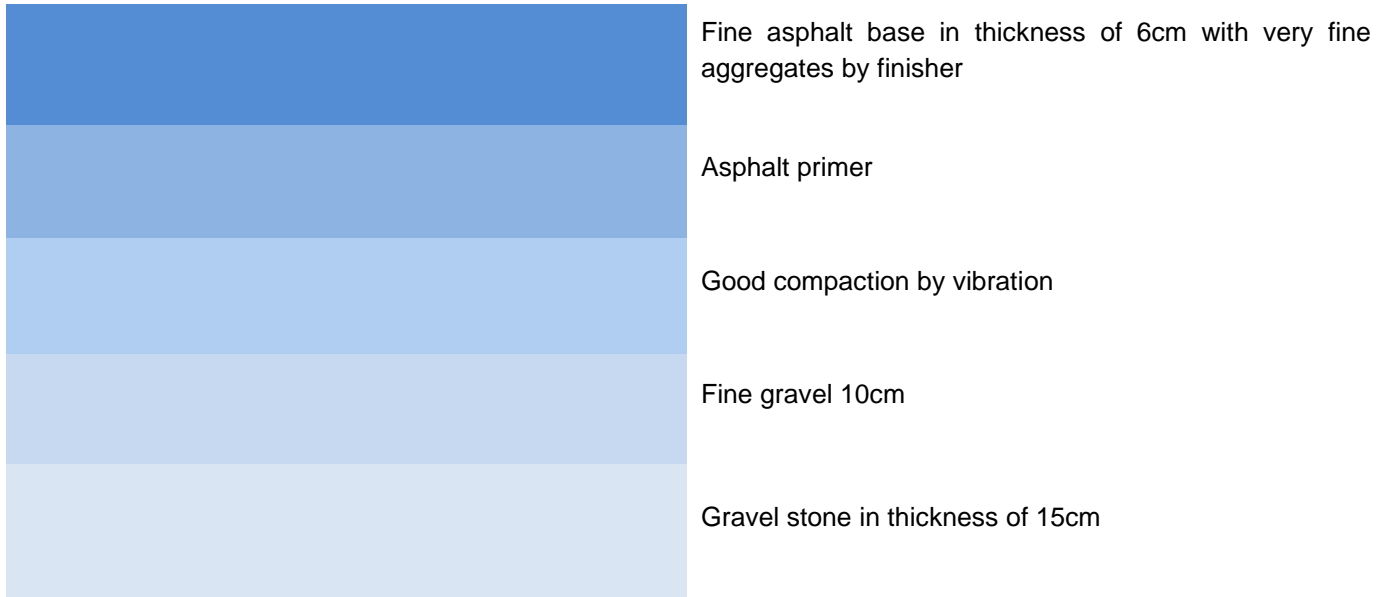
A. Asphalt Substrate

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.

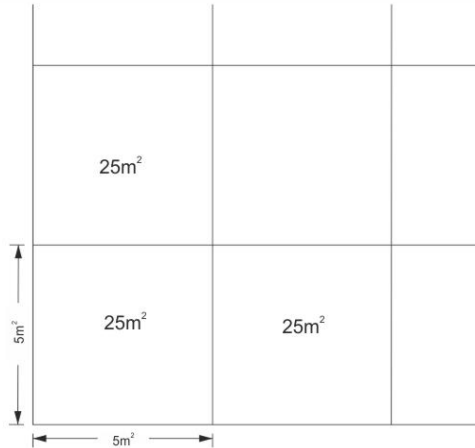
Concrete must also be **dry at least for 40 days** and then the application takes place if there is no rising humidity for the sub-floor. Before the application takes place, there must be proper grinding of the surface by a grinding machine to open the pores accordingly and also a measurement by special 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, to avoid uncontrollable cracks and failures. Joints should be every 25 square meters creating a grid of 5x5 meters or close to that.

KDF

Sports Flooring Systems & Building Materials
50 YEARS OF EXPERIENCE



Substrate requirements

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

Tools:



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