

SYSTEM SPORTGROUND-EX

Total thickness 2,2 mm

CERTIFIED SYSTEM BY LABOSPORT



Outdoor resilient, medium-hard acrylic flooring system ideal for cycling tracks, surrounding areas in sports grounds, parks, pathways etc. Combination of wet-pour acrylic coatings in total average thickness of 2.2 mm.

Steps:

- 1. RITIVEX R LIQUID 1102 - Acrylic primer.** Used as primer of acrylic coatings, such as ELASTOSPORT 853 or SUPER ELASTOCOAT 842. Applied by airless sprayer or brush.
- 2. ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.** Consists of acrylic resins, quartz sand and specials improver. ELASTOSPORT 853 is applied by squeegee on dry compact asphalt to seal the porosity and smooth out the surface before the application of CORRIDOL 864. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.
- 3. CORRIDOL 864 - Acrylic, slip-resistant coating for outdoor surfaces.** It is applied by squeegee on waterproof, smooth, concrete surfaces, without rising humidity issues, or asphalt surfaces. Prior application of ELASTOSPORT 853 is recommended to fill in and smooth out the underlying substrate. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.

Preparation – Application

Applied only on dry asphalt and concrete surfaces (over 30 days old from date of placement) without rising humidity issues and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. 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 with vacuum cleaner and squeegees.
- Priming of the surface with joining resin **RITIVEX 1102** for the proper adhesion on the sub-floor. Application of one or more layers until the surface is saturated with brush or airless sprayer. Avoid the creation of puddles of the material. Consumption: 200-300gr/m² in two layers, depending on the absorption of the underlay.
- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of acrylic pore filler **ELASTOSPORT 853** for sealing the porosity of the subfloor in 2 or 3 crossing layers by squeegee. Consumption: 2kg/m² for 2 layers.
- As soon as the acrylic pore filler **ELASTOSPORT 853** dries (24 hours at 23°C), follows the application of acrylic hard coating **CORRIDOL 854** in **3 crossing layers**.
- Depending on the ambient temperature acrylic coating **CORRIDOL 854** is diluted with 5-6% up to 10% water, prior to application, to achieve better fluidity. It is applied in 1mm total thickness by squeegee. The next layer follows the other after the previous starts to dry. Consumption: 1,5 kg/m² for 3 layers.

Important Remarks

- ✓ In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast before the application of **ELASTOSPORT 853**.
- ✓ **Acrylic coating CORRIDOL 854** should not be applied in more than 0,5 kg/m² per layer. In case of high temperature during summer, layers thicker than 0.5 mm should be avoided because the material may crack due to the rapid evaporation of water. Lining thickness more than 0,5 mm is achieved only by repeated layers.
- ✓ During summer or during temperatures over 40 degrees, ideal time for the application of **SPORTGROUND 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.

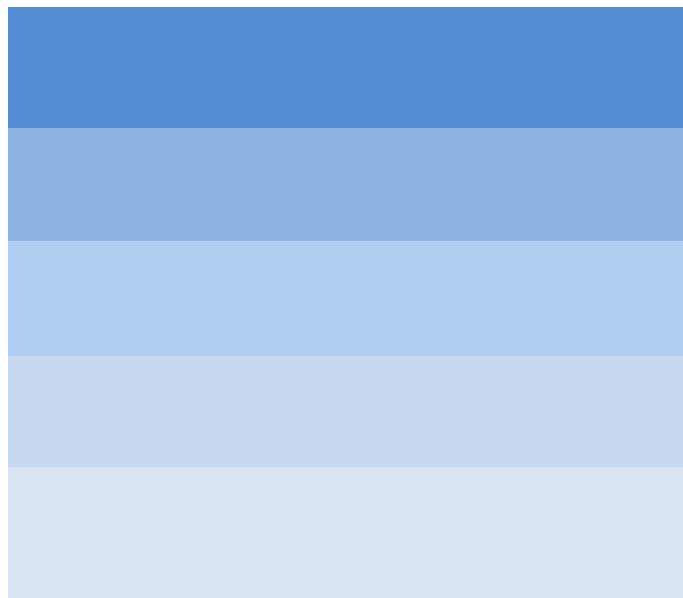
A. Asphalt Substrate

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



Fine asphalt base in thickness of 6cm with very fine aggregates by finisher

Asphalt primer

Good compaction by vibration

Fine gravel 10cm

Gravel stone in thickness of 15cm

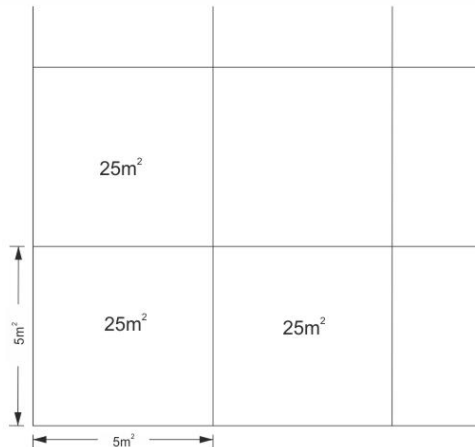
B. CONCRETE SURFACES

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.



Substrate requirements

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

KDF

Sports Flooring Systems & Building Materials
50 YEARS OF EXPERIENCE

Tools:



brush



airless sprayer



Squeegee

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