KDF
Sports Flooring Systems & Building Materials
50 YEARS OF EXPERIENCE

EDITION: DECEMBER 2021

POLAPLAST P13

ONE-COMPONENT POLYURETHANE BINDER

GENERAL CHARACTERISTICS

POLAPLAST P13 is a solvent free, clear, moisture curing one component polyurethane binder with good long term elasticity.

POLAPLAST P13 exhibits excellent adhesion to most rubber granulates and gives a strong performance both in terms of tensile strength and durability. It is mixed with **RECYCLED RUBBER 858** for the creation of the base layer of KDF's running track systems as well as for the base coat of playgrounds, tennis courts etc.

TECHNICAL DATA

Basis:	one-component polyurethane
Appearance:	liquid
Color:	transparent
Viscosity :	4.000 – 8.000 mPa•s at 25ºC
Density :	1.08 – 1.18 Kg / Lt at 25ºC
Temperature for the application and drying of the material:	10 – 40 ºC

PREPARATION-APPLICATION

Applied on dry surfaces, 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 sprayer and brush. The the base layer of KDF's running track systems, wet-pour shock-absorbent mixture, should be constructed while **POLAPLAST P10 is still sticky (wet in wet procedure).** Curing takes place at ambient temperature by evaporation of the solvent and reaction with atmospheric moisture. High temperatures and moisture will shorten the cure time. Opened drums should be used up quickly.
- Good mixing of **POLAPLAST P13** and **RECYCLED RUBBER 858 (see mixing ratio below)**. Mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve homogeneity.
- Following, the mixture is poured on the surface and spread on in thickness from 11 to 12mm using a suitable paving machine or a hand straightedge and a flat trowel. Any small irregularities in the surface may be removed by rolling the surface using a metallic cylinder.
- The temperature should not fall below 10ºC during curing of **POLAPLAST P13**.
- Curing of **POLAPLAST P13** takes place at ambient temperature by reaction with atmospheric moisture. High temperatures and moisture will shorten the cure time of the **POLAPLAST P13**.

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

Showroom Office
1 Papanikolaou Ave, Pefka
57010, Thessaloniki, Greece
t / f : 0030 2310 829598
Accounting Office
19 Mitropoleos Str
54624, Thessaloniki, Greece

- After the surface is fully cured (depending on the temperature and humidity, the curing of the base layer mixture will take 48-72 hours), follows the application of the final layers of the running track systems.

CONSUMPTION

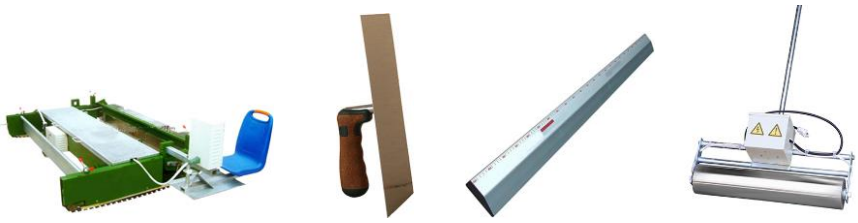
1.32kg **POLAPLAST P13** mixed with 6kg **RECYCLED RUBBER 858** in granulometry of 0.5-2.5mm.

RATIO

18.3 % **POLAPLAST P13** to 81.7% **RECYCLED RUBBER 858** in granulometry of 0.5-2.5mm.

APPLICATION TOOLS

A suitable paving machine or a hand straightedge, a flat trowel and a cylinder for compacting.



PACKAGING

Supplied in barrels of 220 Kg.

STORAGE

12 months in unopened containers in dry places, out of sunlight, with minimum temperature 5ºC and maximum temperature 30ºC.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

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