

PU BINDER 1125-AL

POLYURETHANE, 2-COMPONENT, ALIPHATIC BINDER

GENERAL CHARACTERISTICS

Pu Binder 1125-AL is a 2-component aliphatic binder with low viscosity. It exhibits excellent adhesion to all rubber granules, combines and bonds SBR or EPDM rubber granules, polyurethane granules and sponge particles, and gives a strong performance both in terms of tensile strength and durability.

It is mixed with **RECYCLED RUBBER 858** or **EPDM granules** for the creation of the elastic safety flooring **SAFEPOL MULTICOLOR** or other flexible rubber flooring, ideal for playgrounds, athletic tracks, schools etc.

TECHNICAL DATA

Mixing Ratio	6,67 : 1 (By weight) - A to B : 100/15
Density of mixture (25°C)	app. 1,44±0.1 gr/cm ³
Density of Comp. A (25°C)	app. 1,48±0.1 gr/cm ³
Density of Comp. B (25°C)	app. 1,22±0.05 gr/cm ³
Pot-life (25°C)	30-75 min.
Application temperature	Min 10°C
Curing (25°C and %60 relative humidity)	After 24 hours it cures.
Color	Grey, Red, other.

PREPARATION-APPLICATION

Can be used for kids playground, running tracks, sports grounds, walkways and offices.

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.

Always perform **good mixing of components A & B of PUBINDER 1125-AL**(packed into separate containers in fixed weight proportions). Mixing should be performed using a 300-600 rpm mixer for 2-3 min until a uniform mass is obtained. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the B-component into A-component.

Procedure:

- **Good, dry** cleaning of the surface from dust and residues.
- The application procedure for **SAFEPOL MULTICOLOR (PU BINDER 1125-AL and EPDM 856 mixture)** on top of asphalt or waterproof concrete directly is the same as for **SAFEPOL** (the mixture of **PU BINDER 1125-AL** and **RECYCLED RUBBER**).
- Good mixing of the **PU BINDER 1125-AL** and **EPDM 856** and application of the mixture using paving machine or by hand if the applicator is experienced, with rake for spreading,

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50 YEARS OF EXPERIENCE

(wooden) straightedge for initial smoothing, flat metal trowel for final smoothing and compacting, cylinder weighing 8-15kg for final compacting-(cylinder should be cleaned repeatedly with diesel to remove stuck granules from its surface).

RATIO MIXTURE

17% **PU BINDER 1125-AL** : 83 % **EPDM 856**, for playground flooring

PACKAGING

15 Kg Set - Drums.

STORAGE

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

REMARKS

- Concrete humidity should not be above 4%, ambient humidity should be at least 40% and most 80%. To begin the application, must wait for the appropriate humidity.
- Working time of **PU BINDER 1125-AL** decreases when ambient temperature rises.
- Prolonged storage of partially used containers containing **PU BINDER 1125-AL** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.

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 safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.

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