

# SAFEPOL SYSTEM

## SAFEPOL & SAFEPOL MULTICOLOR 859

### ELASTIC SAFETY FLOORING

#### GENERAL CHARACTERISTICS

**SAFEPOL - SAFEPOL MULTICOLOR 859** is an elastic safety flooring ideal for playgrounds, athletic tracks, schools etc.

- Consists of the sub-floor **SAFEPOL** which is a mixture of **RECYCLED RUBBER 858** and **PU BINDER 1118** and final coating **SAFEPOL MULTICOLOR** which is a mixture of **EPDM 856** and **PU BINDER 1118**.
- Applies in various thicknesses from 3 – 8 cm, on cement and asphalt surfaces, even on well-stepped, dry gravel.
- Creates different designs and patterns in a variety of colors.
- **SAFEPOL** can also be over coated with elastic coating for sports grounds **ELASTOTURF 851**.

#### TECHNICAL DATA

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| Basis:  | polyurethane prepolymer, rubber granules |
| Appearance:   | viscous paste                            |
| Mixing proportion (SAFEPOL):                                | 14,9Binder : 85,1Rubber by weight        |
| Mixing proportion (SAFEPOL MULTICOLOR):                     | 21,9Binder : 78,1EPDM by weight          |
| Application time:   | approx. 20 min at 23 °C                  |
| Granulometry (Recycled Rubber):                             | 1 – 4 mm                                 |
| Granulometry (EPDM):  | 0 – 1,5mm & 1 – 4mm                      |
| Temperature for the application and drying of the material: | 12 – 35 °C                               |
| Walkability:  | approx. 7-8 hours at 25 °C               |

#### 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 the special **POLYURETHANE PRIMER 870** in two layers. Consumption: 250-400 gr/m<sup>2</sup>, depending on the absorption of the underlay. It is recommended that the second layer should be applied in sections each time, right before the application of the **PU BINDER 1118** and **RECYCLED RUBBER 858** mixture (**SAFEPOL**), in order to ensure proper adhesion.
- Good mixing of the **PU BINDER 1118** and the **RECYCLED RUBBER 858**. Mixing should

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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 the desired thickness using a notched trowel. Consumption: 5,5kg/m<sup>2</sup>/cm.
- Small irregularities in the surface may be removed by rolling the surface using a metallic cylinder.
- The next day, after hardening of the mixture, follows priming of the surface with the special **POLYURETHANE PRIMER 870** in one layer. Consumption: 200 gr/m<sup>2</sup>. **POLYURETHANE PRIMER 870** is applied in sections of the underlay right before the application of the **PU BINDER 1118** and **EPDM 856** mixture (**SAFEPOL MULTICOLOR**) for the proper adhesion.
- Good mixing of the **PU BINDER 1118** and the **EPDM 856** and application of the mixture using a notched trowel. Consumption: 8kg/m<sup>2</sup>/cm.
- Finally any small irregularities on the surface may be removed by rolling the surface using a metallic cylinder.

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#### MIXTURE RATIO

- 7Kg **PU BINDER 1118** per 40Kgr **RECYCLED RUBBER 858**.
- 7Kg **PU BINDER 1118** per 25Kgr **EPDM 856**.

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#### APPLICATION TOOLS

Notched trowel. Tools should be cleaned with **POLYURETHANE SOLVENT 133** immediately after use.

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#### PACKAGING

- **SAFEPOL**: packages of 47Kg (two bags and one drum).
- **SAFEPOL MULTICOLOR**: packages of 64Kg (two bags and one drum).

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#### STORAGE

At least 6 months for the **PU BINDER 1118** in unopened containers in dry and cool conditions.

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#### REMARKS

- Working time of **SAFEPOL** & **SAFEPOL MULTICOLOR** decreases when ambient temperature rises.
- Prolonged storage of partially used containers containing **PU BINDER 1118** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
- After hardening **SAFEPOL MULTICOLOR 859** is completely safe for health.

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#### 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.**

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 POLAT S.A.

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