

PU BINDER 1120

Pigmented MDI based Prepolymer

GENERAL CHARACTERISTICS

PU BINDER 1120 is an one component, aromatic polyisocyanate-prepolymer binder based on diphenylmethane diisocyanate.

Is used as a binder in manufacturing wet-pour mixture, rubber granule mats or rubber molds.

- Moisture curing
- low viscosity
- solvent free
- pigmented
- clean environment, free from pigment dust
- less labor cost, inventory cost
- permanent elasticity

PU BINDER 1120 combines and bonds Recycled Rubber granules, polyurethane granules and sponge particles.

TECHNICAL DATA

Viscosity(25°C):	8000±1000 mPas
Density (20°C):	1,30±0.1 gr/ cm ³
Isocyanate NCO value %	7,80±1
Colour:	Red, green

PREPARATION-APPLICATION

Children playground, indoor and outdoor sports grounds and offices.

On-site applications:

PU BINDER 1120 is mixed with SBR granules and applied to entire sport/playground field with the help of a special machine (paving machine) to achieve the desired thickness. After the layer is cured, the necessary controls need to be done.

Molded in production:

Rubber granules are highly dispersed with binder and taken into molds. Then pressure is

applied. Prior experiences show that pressure with 160 bar and mold temperature of 130 °C gives reasonable results in 12 - 15 minutes and demolded easily. The curing time can be shortened by addition of a catalyst. In molding applications, binder consumption should not be below 7%-9% of SBR rubber granules.

APPLICATION TOOLS

For the mixture **PU BINDER 1120** and **RECYCLED RUBBER 858** or: paver machine or rake, straightedge, flat metal trowel, cylinder weighing 8-15kg



PACKAGING

220 kg in barrel.



STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and high temperature 30°C (avoid sunlight).

REMARKS

The rubber granules must be dry, as moisture will accelerate the curing of the binder making installation more difficult or even impossible and may result in the binder foaming, leading to an uneven surface and a weak rubber tile. Surface must be sound, smooth, dry and free from oil, dirt, rust, chemicals and burr. Do not add different material to binder. Working time is influenced by the ambient, material and substrate temperature, as well as by humidity.

CAUTION

Avoid skin contact with the uncured product. If swallowed, consult a physician, he may decide to wash the stomach. Safety glasses and gloves are recommended. **PU BINDER 1120** is nonhazardous in its cured form.

For more information consult the material safety data sheet.

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KDF

Sports Flooring Systems & Building Materials

50 YEARS OF EXPERIENCE

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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