KDF
Sports Flooring Systems & Building Materials
50 YEARS OF EXPERIENCE

EDITION: DECEMBER 2021

PU BINDER 1138

POLYURETHANE BINDER

GENERAL CHARACTERISTICS

Aromatic polyisocyanate-prepolymer binder based on diphenylmethane diisocyanate

PU BINDER 1138 has high elasticity and strength properties. Is cured with the air humidity, has low viscosity and is solvent free. **PU BINDER 1138** combines and bonds Recycled Rubber granules, polyurethane granules and sponge particles. It may be used as a primer before the other layers. Also it can be used as lining for insulation and for pasting.

TECHNICAL DATA

Density (25°C)	1.08 - 1.18 kg/lt
Viscosity (25°C)	4000 - 8000 mPa.s
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.

Moulded in production: Rubber granules and binder are mixed, taken into moulds, and then pressure is applied. Rigid parts are obtained like in the form of different types of tiles. 160 bar pressure, mold temperature of 130 degree gives reasonable results in 12 - 15 minutes. In molding applications, binder should not fall below 5% of Rubber Granules by weight.

On-site applications: Polyurethane Prepolymer (Binder) mixed with SBR granules in granulomerty of 1-3 mm and applied with the help of special machines (paving machine) in the desired thickness.

The subfloor should be thoroughly clean and free from oil, dirt, dust and chemicals.

Mixing Ratio is 100 unit SBR, 22 unit Binder by weight. For 1 mm thickness and mixing ratio of 100:22 the total consumption per m2 is app 0,744 Kg.

NOTE: Mixing ratio should not be lower than 100:20.

APPLICATION TOOLS

For the mixture **PU BINDER 1118** and **RECYCLED RUBBER 858** paver machine or rake,

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straightedge, flat metal trowel, cylinder weighing 8-15kg

PACKAGING

220kg in barrels.

STORAGE

One year in unopened containers in cool and dry places, out of sunlight, with minimum temperature 5ºC and maximum temperature 30ºC.

REMARKS

The floor must be smooth, dry and clean. Do not add any foreign material. During application, if ambient and surface temperatures are below +10 degrees or above +40 degrees, the optimum temperature must be waited. Concrete humidity should not be above 4%, ambient humidity should be at least 40% and maximum 80%.

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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