

## PU BINDER 1128

### POLYURETHANE BINDER

#### GENERAL CHARACTERISTICS

Aromatic polyisocyanate-prepolymer binder based on diphenylmethane diisocyanate.

**PU BINDER 1128** cured with the air humidity, has low viscosity and is solvent free. **PU BINDER 1128** 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

Test	Method	Device	Value
Density (20°C)	PK.DT.01	Pycnometer	: about 1,09±0.1 gr/cm <sup>3</sup>
Viscosity (25°C)	PK.DT.08	NDJ-1 Rotational Viskometer	: 8000±1000 mPas
Isocyanate NCO value %	PK.DT.10	Potentiometric Titration	: 10.5±1
Colour			:Clear transparent brown

#### 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. After that in the application area, by adding together, the ground is covered. 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 and connected with 1-3 mm diameter granules SBR and applied to entire field with the help of special machines (paving machine) to have desired thickness. After this layer cured, the necessary controls need to be done.

For this application, the ground should be pre-corrected and free from oil, dirt, dust and chemicals.

Mixing Ratio is 100 unit SBR, 22 unit Binder will be used by weight. For 1 mm thickness by mixing ratio of 100:22 total consumption per m<sup>2</sup> is app 0,744 Kg.

NOTE: Not to fall below of %20 which is binder ratio to Rubber granules, are strongly recommended

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## PACKAGING

220kg in barrels.

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## STORAGE

6 months in unopened original packaging stored in standard room conditions.

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## REMARKS

The floor must be smooth, dry and clean. Must be removed from oil, dirt, rust and burr. Do not add any foreign material. In application, if ambient and surface temperatures are under +10 degrees or below +30 degrees, the optimum temperature must be waited. 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.

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## CAUTION

Avoid skin contact with the product. If swallowed, consult a physician, he may decide to wash the stomach. Safety glasses and gloves are recommended.

**For more information consult the material safety data sheet.**

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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.