

## PU FLEX 140

SPECIAL PU GLUE FOR THE APPLICATION OF PREFABRICATED SHOCK ABSORBENT ROLLS

### GENERAL CHARACTERISTICS

**PU FLEX 140** is a two component, solvent free adhesive for the application of prefabricated shock-absorbent rolls made of recycled rubber or from EPDM granules and also for the safety tiles.

- It is applied on dry, sealed surfaces of mosaic, concrete or asphalt.
- Suitable for interior and exterior use.
- Provides good filling properties.
- Non shrinking, non flammable adhesive, that doesn't affect the appearance of the covering material.

### TECHNICAL DATA

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| Mixing ratio:                            | 7 : 1 (By weight)                    |
| Density of mixture (20°C):               | approx. 1,75±0.1 gr/cm <sup>3</sup>  |
| Density of Comp. A (20°C):               | approx. 1,88±0.1 gr/cm <sup>3</sup>  |
| Density of Comp. B (20°C):               | approx. 1,22±0.05 gr/cm <sup>3</sup> |
| Pot-life (23°C):                         | 30-40 min.                           |
| Application temperature:                 | Min 5°C                              |
| Curing (20°C and %60 relative humidity): | 6 hours                              |
| Color and odor:                          | Creme                                |

## PREPARATION- APPLICATION

**Applied only on dry, level surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc.** 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 using brushes and air spray.
- Caution must be taken so that the temperature remains between 15 and 25 °C during mixing, application and for the first 24 hours in order to retain proper bonding and curing.
- Good mixing of components A (resin) & B (hardener) 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 hardener.
- The mixed adhesive **PU FLEX 140** is applied under each roll using a notched trowel, as soon as possible in order to avoid any problems with the limited pot life. A roller should be used on the top of the shock absorbent rolls within an hour after the adhesive has been mixed.
- After the absorbent rolls have been rolled, avoid any traffic that is not necessary. The floor can receive a second rolling in about two hours, in order to assure very close contact of the tiles at every spot.
- Light foot traffic is permitted after 6 hours. Full curing needs 2 days.

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## CONSUMPTION

0,8 kg/m<sup>2</sup> depending on the sub-floor and type of floor covering.

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## APPLICATION TOOLS

Notched trowels. Tools should be cleaned with **PU SOLVENT** immediately after use.

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## PACKAGING

Supplied in set of 20 kg, 10 kg, and 3,5 kg (two drums). Components A and B have the fixed weight proportion.

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## STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 28 °C.

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## REMARKS

- Working time of **PU FLEX 140** decreases when ambient temperature rises.
- Avoid application of **PU FLEX 140** during rain, moist or foggy weather.
- Prolonged storage of partially used containers containing **PU FLEX 140** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
- When laying flooring over an underfloor heating system, caution must be taken so that the heating system is left in full operation for at least 8-10 days before the application. The screed must be dry prior application. Before laying, however, the heating system must be switched off or reduced, so that a surface temperature of 20-22 °C is not exceeded.
- After hardening **PU FLEX 140** is completely safe for health.
- Our recommendation is that the asphalt subfloor should be applied on well compacted 150 mm road base subfloor and asphalt should be laid in one layer (and not 2) in 6 to 8 cm with fine and coarse aggregates (up to 15mm granulometry) like the kind of asphalt used in road construction.  
So, new road-grade asphalt will have to be laid (minimum 60mm) in one layer containing coarse aggregates and then mature for 30 days at least, before any application takes place on top of the asphalt to avoid bubbles on the final layer of the sport or rubber floorings.

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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. Flammable before application.

**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.