



## AKFIX PU RB 103 BINDER

### 1 – DESCRIPTION

**AKFIX PU RB 103** is a solventless, moisture cure, single component, transparent, UV stable polyurethane binder. It is designed for track, sport and playground applications. It is based on high quality aliphatic prepolymer for excellent U.V. and color stability.

### 2 – PROPERTIES

- High elongation
- Excellent UV and color stability
- Excellent bonding of rubber granules
- Easy application
- Environmentally friendly
- Water resistant

### 3 – APPLICATIONS

- Parks
- Children and school Playgrounds
- Running tracks
- Sport facilities
- Outdoor carpets and tiles
- Synthetic surfaces

### 4 – INSTRUCTIONS

- Binder is ready for use as supplied and should be mixed with dry rubber granules as follows:  
Binder : 15-20% by weight  
Rubber granules : 80-85 % by weight
- Mix MDI binder into rubber crumb mixture until completely wetted. The mixture should be prepared and mixed in a clean and dry mechanical mixer until a homogenous mixture is obtained. The mixing period in the mixer after having added the binder to the rubber granules should be 3-5 minutes depending on the quantity being mixed. This mixture can be applied onto the asphalt or concrete with a trowel in order to obtain a uniform surface. The surface hardens through the reaction of the binding agent with humidity.
- Surface preparation: Before application the surface to be coated must be clean, dry and free of oil, grease and dirt. Full curing takes place 24-48 hours after application. Do not apply over wet substrates. To achieve an even adhesion throughout the entire area the ground must be treated with a primer prior to installation.



# TECHNICAL DATA SHEET

# Akfix® coating

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## 5- PACKAGING

220 kg drums

## 6- STORAGE AND SHELF LIFE

Store the product in a ventilated place away from direct exposure to sunlight. Keep between 10°C and 25°C for quality reasons. Shelf life of the unopened original packaging is 9 months from manufacturing date.

## 7- SAFETY

Avoid breathing vapors. Avoid contact with skin and eyes. Take precautions during application. Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. Refer to SDS sheet prior to use.

## 8- TECHNICAL PROPERTIES

<b>Basis</b>	: Polyurethane
<b>Color</b>	: Transparent
<b>Solids content (%)</b>	: 100
<b>Viscosity (cps)</b>	: 2000-3000 (at 25 °C )
<b>Density (gr/cm<sup>3</sup>)</b>	: 1,00-1,05 (at 25 °C)
<b>Free NCO Content (%)</b>	: 8,5 -9
<b>Full Cure Time (min.)</b>	: 24 hr (23 °C 50% R.H.)