

01 PRODUCT DESCRIPTION

WHITECHEM 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.

02 FEATURES

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

03 APPLICATIONS

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

04 INSTRUCTIONS

- **WHITECHEM PU RB 103** is ready for use as supplied and should be mixed with dry rubber granules as follows:
Whitechem PU RB 103 : 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 take 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.

05 PACKAGING

220 kg drums

06 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 six months from manufacturing date.

07 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.

08 TECHNICAL PROPERTIES

Basis	: Polyurethane
Color	: Transparent
Solids by weight (%)	: 100
Viscosity (mPa.s)	: 4500-5000 (at 25 °C)
Density (gr/cm³)	: 1,02 ±1,05 (at 25 °C)
Free NCO (%)	: 7 -7,5
Open Time (hr)	: 1- 1,5 (at 23 °C 50% H)
Cure Time (hr)	: 24 (at 23 °C 50% H)