



# **PAG PB3310 – Aromatic Playground Binder for elastic layers of playgrounds and sport-surfaces**

## **Technical Data Sheet**

**PAG PB3310** is a single component, tough-elastic, aromatic, solventless moisture-curing MDI-based binder. It has primarily been designed to bind rubber for elastic layers of play-areas, artificial grass and other sports flooring, as well as together with our EPDM and TPEV systems.

Replacing Standard Binders with **PAG PB3310** improves the performance of safety surfaces drastically in terms of strength and fallheight.

**PAG PB3310** will yellow extremely when exposed to sun or UV light and is not supposed to be used in the wear layer of the flooring. We recommend the usage of **PAG PB3300** for the wear layer. For sensitive or light colored EPDM granules, use our lightfast aliphatic binder **PAG PB3400**.

### **1.0 Systems, in which PB3310 is used**

**PB3310** is used in the following PAG systems (non-exhaustive list):

- in wear layers of EPDM & TPEV safety flooring mixed with SBR granules
- in Jogging and Athletic tracks in the elastic layers.
- In Multi-Game Courts and Football Fields in the elastic layers.

### **2.0 Physical Properties**

Color:	amber / light brown
Viscosity at 20°C (cps)	2500 +/- 500 mPa*s low viscosity: 3000 +/- 500 mPa*s high viscosity: 6000 +/- 500 mPa*s
VOC Content	Free of VOC
Flash Point	>200°C
Density at 20°C	1,06 g/cm <sup>3</sup>
NCO-content	10 +/- 0,5 %



### 3.0 Packaging, Storage and Shelf Life

**PAG PB3310** comes packed in 1050kg IBCs, 215kg steel drums or 20kg pails on request.

**PAG PB3310** should be stored cool and dry in tightly closed original containers at a temperature between 5° C - 25° C. Shelf life in unopened containers is 6 months.

### 4.0 Application

To attain optimum bonding between the concrete/asphalt and granulated surfacing, prior priming is recommended and the asphalt/concrete needs to be fully cured and dry (relative humidity <4%), as well as free of oil, grease and similar.

Recommended Mixing Ratio is **100 pbw Rubber : 20 pbw PB3310** for wear layers.

The application temperature of the low viscosity version is: 5° C - 25° C, the application temperature of the high viscosity version is: 20° C – 40° C. Temperatures of more than 40° C and high humidity will accelerate and curing time, whereas temperatures under 5° C and low humidity will decelerate curing times.

Typical curing time is 8-12h, but this depends strongly on the above factors of temperature and humidity.

### 5.0 Safety

**PAG PB3310 contains Isocyanates.** Use product only in well ventilated places and do not spray.

Protect skin and eyes from splashes when pouring **PB3310**.

Avoid inhaling vapors since isocyanate can irritate the mucous membranes.

Use rubber gauntlets, goggles and respiratory protection devices.

If on skin, wash skin with plenty soap and water.

If in eyes, remove contact lenses, if any, rinse cautiously with water for several minutes.

Use Cleaners to clean tools and equipment.



**PAG Flooring Systems GmbH**  
D-38176 Wendeburg  
Germany  
Info@pag-flooring.com  
www.pag-flooring.com

## **6.0 Disclaimer**

Our products show the above mentioned attributes, when applied and tested according to DIN / EN norms. Product description and application recommendations are given in believe to their correctness, but they are relying on experience and are not guarantees. They do not release the user from a functional testing in current climate and situation. No guarantee will be given for the products on any special application.