



PAG PB3400 – Aliphatic Playground Binder

Technical Data Sheet

PAG PB3300 is a single component, tough-elastic, aliphatic, solventless moisture-curing lightfast binder. It has primarily been designed to bind EPDM or Thermoplastic surfaces exposed to UV-light and to protect them in the long run.

Replacing Standard Binders with **PAG PB3400** improves the performance of safety surfaces drastically in terms of strength and fallheight.

PAG PB3400 will not yellow when exposed to sun light.

1.0 Systems, in which PB3400 is used

PB3400 is used in the following PAG systems (non-exhaustive list):

- Playground flooring in the wear layers of EPDM and TPEV.
- Jogging and Athletic tracks in the wear layers.
- Multi-Game Courts in the wear layer.

2.0 Physical Properties

Color:	water white
Viscosity at 20°C (cps)	low viscosity: 2000 +/- 200 mPa*s high viscosity: 4200 +/-300 mPa*s
VOC Content	Free of VOC
Flash Point	>200°C
Density at 20°C	1,06 g/cm ³
NCO-content	10 +/- 0,5 %



3.0 Packaging, Storage and Shelf Life

PAG PB3400 comes packed in 1050kg IBCs, 215kg steel drums or 20kg pails on request.

PAG PB3400 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 PB3400** for wear layers.

The application temperature of the lower viscosity version is: 10° C - 25° C, the application temperature of the higher viscosity version is: 20° C - 35° C, temperatures of more than 40° C and high humidity will accelerate and curing time, whereas temperature under 5° C and low humidity will decelerate curing times. If needed the low viscosity version can be used at temperatures as low as 5° C. Spraying the wet surface with a soap-water-mixture will accelerate curing times.

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

For hot climates and application temperatures of 35° C+, we recommend using **PAG PB3400S**, which is a thixotropic version of the **PB3400**.

5.0 Safety

PAG PB3400 containers Isocyanates. Use product only in well ventilated places and do not spray.

Protect skin and eyes from splashes when pouring **PB3400**.

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.



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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.