



## UNIBIND PU 407

### Product Description

A single-component polyurethane resin designed specifically as a binder for SBR & EPDM granules in flooring applications. It offers a high-performance solution for creating durable, elastic, and UV & weather-resistant surfaces across a wide range of environments.

### Product uses:

- Sports courts and athletic tracks.
- Children's playgrounds and recreational zones.
- Walkways, ramps, and anti-slip surfaces.
- Industrial and commercial flooring systems.

### Properties

- Ready-to-use formulation: No mixing required—simplifies application and reduces labor time.
- Strong adhesion: Ensures excellent bonding with SBR particles, forming a cohesive and resilient surface.
- Elastic and impact-resistant: Ideal for sports flooring, playgrounds, walkways, and safety surfaces.
- Weather resistant: Maintains performance under outdoor conditions.
- Low viscosity: Facilitates easy mixing and uniform distribution with rubber granules.

### TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Transparent
<i>Chemical Base:</i>	Polyurethane
<i>Density:</i>	1.10–1.20 g/cm
<i>Viscosity (at 25°C):</i>	1000–2000 mPass
<i>Mixing ratio:</i>	Typically 20–25% binder to 75–80% SBR granules by weight.
<i>Curing Mechanism:</i>	Moisture-curing
<i>Tack-Free Time (at 25°C)</i>	4–6 hours
<i>Full Cure:</i>	24-48 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

### Application Details

*Application method:* Mix thoroughly and apply using a trowel or screed.

*Thinner:* Do not thin

### Surface Preparation:

- Ensure the substrate is clean, dry, and free of dust, oil, or contaminants.
- For outdoor installations, confirm that weather conditions are suitable (no rain, high humidity, or extreme temperatures).
- If necessary, apply a compatible primer to improve adhesion to concrete or asphalt surfaces.

### Mixing:

- In a clean mixing container, combine the UNIBIND PU 207 with SBR granules in the recommended ratio: Binder: 20–25% by weight + SBR Granules: 75–80% by weight
  - Mix thoroughly using a mechanical mixer until the granules are uniformly coated with the binder.
- Avoid over mixing to prevent premature curing.



## ***PRECEDING COAT:***

Poly Clear PU 080

## ***Application:***

- Spread the mixture evenly over the prepared substrate using a trowel, screed box, or rake, depending on the desired thickness and texture.
- Compact the surface manually or with a roller to ensure proper bonding and eliminate air pockets.
- For multi-layer systems, allow partial curing before applying the next layer.

## ***Shelf life & Storage:***

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

## ***Safety:***

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## ***Legal Notice:***

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