

**Technical Data Sheet****PC 31-075****1C-PUR Binder**

The binding agent is a solvent-free, one-component polyurethane binder based on MDI. The binding agent has been specially developed for the production of elastic fall protection surfaces and children's playgrounds.

Density (@ 23°C)	1.15 ± 0.5 g/cm <sup>3</sup>
Viscosity (@ 23 °C)	5,000 ± 500 mPa s
Colour	Clear to yellowish
Hardening (@ 20 °C )	10 - 12 Hours
Humidity	40 - 90 %
Processing temperature	min. 8 - 40 °C

**Processing instructions**

The rubber granules and binder are mixed in a compulsory mixer (Zyklos mixer) for 3–5 minutes. The homogenous mixture is then processed by an automatic paving machine.

Good compaction of the granule surface is mandatory.

Particular attention must be paid to the installation seams. The seams must be additionally compacted using a trowel. To achieve optimal adhesion between the asphalt and the granule surface, priming is absolutely essential.

**Hardening**

The processing time of the rubber granule and binder mixture depends on the ambient temperature and humidity. High temperatures and high humidity reduce the curing time; low temperatures and low humidity increase it.

**Safety instructions**

- The binder is flammable.
- Smoking and open flames are strictly prohibited during processing.
- Protective goggles and gloves must be worn during processing.
- In enclosed spaces, respirators (A2 filter) must be worn as well.
- Please observe the accompanying safety datasheet.

**Packaging**

20 kg / 210 kg / 1050 kg

**Storage**

The binder should be stored in a cool, dry place at a temperature of at least 10°C. Under the specified conditions, the product can be stored for twelve months. After every removal, the containers must be sealed airtight.