

### Single-component, solvent-free polyurethane binder

- water-permeable
- transparent, light-fast and UV-resistant
- preparation time: approx. 75 minutes
- can be walked on after approx. 8 hours
- can take loads after approx. 2 days



## APPLICATIONS

- for pebbles, natural stone and silica sands
- for decorative garden design
- for producing bonded, water-permeable layers
- for producing cement and water-free bedding and levelling compound
- for the floor area

## PROPERTIES

- single-component
- solvent-free
- odour-neutral
- vapour-permeable
- weatherproof
- wear-resistant
- dirt-repellent

## SUBSTRATE

- |                         |   |
|-------------------------|---|
| <b>Properties/tests</b> | <ul style="list-style-type: none"><li>■ The substrate must be water-permeable, dry, load-bearing and free of dirt and other adhesion-reducing substances.</li><li>■ We recommend a bonded bedding layer for this, e.g. tubag TDM trass drainage mortar.</li><li>■ In outdoor areas, the subsurface must have a gradient of at least 1.5% and adequate drainage.</li><li>■ For construction methods on sealed subsurfaces, the water that percolates into the material must be drained away via a drainage mat, drip rail or gutter, for example. Standing water on the impermeable subsurface is to be avoided and must be prevented by means of a suitable cross fall.</li><li>■ The area being coated must be dry on the surface.</li></ul> |
| <b>Pretreatment</b>     | <ul style="list-style-type: none"><li>■ The stones or sand intended for the mixture must be free of dust, dirt and adhesion-reducing substances. The aggregate may need to be washed and dried.</li></ul>   |

### PROCESSING

<b>Temperature</b>	<ul style="list-style-type: none"><li>■ Do not use or allow to dry in air, material or substrate temperatures of less than +8°C, in the case of expected night time frost or at temperatures of over +30°C, in direct sunlight, extremely heated substrates and/or in strong wind.</li></ul>
<b>Mixing / Preparation / Processing</b>	<ul style="list-style-type: none"><li>■ The dry gravel and natural stones or silica sand are mixed with approx. 2-5 % by weight of GaLaKreativ PUR binder. The binder is to be mixed intensively with the aggregate.</li><li>■ Then repot into a clean container and intermix thoroughly again.</li></ul>
<b>Processing</b>	<ul style="list-style-type: none"><li>■ The mixed material is roughly distributed in the required layer thickness with a rake and then compacted and levelled with a trowel.</li><li>■ When using 2 - 4 mm aggregate, the average layer thickness is approx. 20 - 30 mm.</li></ul>
<b>Processing / Working time</b>	<ul style="list-style-type: none"><li>■ approx. 75 minutes</li><li>■ The stated times apply for a temperature of +20°C and relative humidity of 65%.</li></ul>
<b>Drying / Hardening</b>	<ul style="list-style-type: none"><li>■ Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil.</li><li>■ The areas can be walked on after approx. 8 hours and loaded after approx. 2 days.</li><li>■ The finished areas can be cleaned with normal household tools, e.g. broom or pressure washer.</li><li>■ The product contains polyurethane reaction resins that react with moisture. The freshly created areas must therefore be protected from moisture until hardened.</li><li>■ Low temperatures delay, high temperatures speed up the setting process.</li></ul>
<b>Cleaning the tools</b>	<ul style="list-style-type: none"><li>■ Clean tools and equipment immediately after use.</li><li>■ Hardened material can only be removed mechanically.</li></ul>
<b>Notes</b>	<ul style="list-style-type: none"><li>■ Comply with consumption details. Overdosing can lead to shading in the surface, blistering and hollow areas. We recommend creating a test area.</li><li>■ By spraying with GaLaKreativ PUR binder, the stones are given a fresh, attractive sheen.</li></ul>

### PACKAGING

- 1 kg/can
- 5 kg/bucket
- 30 kg/bucket

### STORAGE

- Store in the original, unopened packaging in dry, frost-free conditions.

### QUANTITY REQUIRED / YIELD

- consumption: 2 – 6 % by weight of aggregate

The following values can be used as reference values for consumption. In individual cases we recommend checking the consumption with the grain size actually used.

Grain size	2-4 mm	4-8 mm	8-16 mm	≥16 mm
GaLaKreativ PUR binder	5 % w/w	4 % w/w	3 % w/w	2 % w/w

### Examples:

	2-4 mm	4-8 mm	8-16 mm	≥16 mm
Pebbles and natural stones	25 kg	25 kg	25 kg	25 kg
GaLaKreativ PUR binder	1.25 kg	1.00 kg	0.75 kg	0.50 kg

To produce a pavement joint mortar with a grain size of e.g. 1-2 mm, 3% GaLaKreativ PUR binder is required.

Depending on grain size and quantity of PUR binder used, a compressive strength of approx. 12-16 N/mm<sup>2</sup> is achieved after 3 days (Example: grain size 2-4 mm with 5 % w/w PUR binder).

## TECHNICAL DATA

**Processing temperature** +8°C to +30°C

**Processing time** approx. 75 minutes

**Walkability** after approx. 8 hours

**Resilience** after approx. 2 days

**Colour** transparent

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

## SAFETY AND DISPOSAL INSTRUCTIONS

**Safety**

- Hazardous substance in the sense of the German Ordinance on Hazardous Substances.
- Further information can be found in the safety data sheet at [www.tubag.de](http://www.tubag.de).

**Disposal**

- Dispose of the material in accordance with the official regulations.
- Allow container to air for at least 24 hours once fully emptied.
- Completely empty and recycle the packaging.
- Liquid product remains can be disposed of according to the Waste Catalogue Ordinance under the Waste Code 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

## GENERAL INFORMATION

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.