

# Technical Data Sheet

Version 05/2025

## BondTec PU-Konstruktion 295 (PU Kleber Spezial)

### Product Description

Solvent-free one-component adhesive based on polyurethane. Cures by reaction with moisture.

### Standards, tests and specifications

- Slightly foaming and gap-filling
- EN 204: Water resistance class D4
- DGNB/ÖGNI: Q4 in line 42 / Q2 in line 13
- GISCODE: RU1



### Product Properties

- Foams up easily and evens out unevenness
- very high flow resistance
- very high adhesive strength
- temperature resistant from -40 °C to +100 °C
- not corrosive to metals
- for waterproof bonds
- suitable for indoor and outdoor use
- resistant to aging
- water resistant

## Area of Application

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Outdoors, artificial and natural stones. Helps to minimize minor unevenness of the substrate. Steps, floorings and skirtings, doors, interior constructions, metal construction, wood construction, plastic construction. Suitable for combination bondings of different materials. For gluing applications where filling and sealing properties are important. Areas with high strength requirements.

## Form of Delivery

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Cartridge:	300 ml
Packing unit:	20 pieces per box

## Substrates

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### Suitable substrates:

plaster, concrete, aerated concrete, mortar, masonry, brick, clinker, cement, fiber cement, plasterboard, wood, wood chipboard, lacquered, glazed or impregnated wood, wood fiber boards, aluminum, corrosion-protected metals, copper, zinc, ceramics, stoneware, natural stone, polystyrene, many plastics

### Unsuitable substrates:

EPDM, PIB, PTFE, PP, PE, gypsum, silicone

## Instructions for Use

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The adhesive surfaces must be clean, dry, free from release agents and firm. Dust, grease, oil and loose parts must be removed before processing. We advise to carry out a suitability test for the large number of substrates, building materials and/or coatings used today, especially for plastics, paintings and powder coatings. Tar and bitumen-containing substrates can lead to color changes of the mass and affect the adhesion.

Cut off the cartridge nipple with a sharp knife. Screw the nozzle onto the cartridge and cut it to the desired width. Insert the cartridge into the ejector gun and apply the adhesive in the form of strings or in a punctiform manner, never on full-faced. When working with a notched trowel, apply glue dots in the size of a hand. During this reaction carbon dioxide develops and the adhesive foams a little. Therefore it is recommended to fix the components.

After the adhesive application, assemble the components and press them together within minutes. Keep the bonded parts fixed for at least two to three hours. Cured adhesive can only be removed mechanically or with solvents. It is necessary to check whether a subsequent application of paint on the adhesive is compatible. Some paints can lead to changes of the color of the glue and affect the adhesion. For the processing of large quantities in enclosed areas, sufficient fresh air must be provided during the curing time.

The reaction time depends on temperature as well as air and substrate humidity. The final strength of the bond is achieved after several days. If the substrate is extremely moist or by adding extra moisture, the full hardening is accelerated.

Store cartridges cool and dry. Higher temperatures shorten shelf life.

## Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	1,3 ± 0,1 g/cm <sup>3</sup>
Skin formation time (normal climate 23/50)		5 - 15 min
Bonding classification	EN 204	D4
Temperature resistance (cured mass)		-40°C to +100 °C
Processing temperature		+5 to +40 °C
Shelf life (dry, at +10 to +25 °C)		9 months

## Safety Instructions

Please refer to our safety data sheet and the product label for further information on product safety and handling. Current safety data sheets and further information on our products can be found at [www.insebo.com](http://www.insebo.com).

## Service

Upon request, our trained sales representatives are always at your disposal.

## Disposal

For disposal instructions please refer to our safety data sheet and product label.

## Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.