

# Technical data sheet



Product: PLUS ENDFEST 300

Manufacturer: UHU GMBH & CO KG

Product group: KLEBSTOFF

Article group: 2-K KLEBSTOFF

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## UHU PLUS ENDFEST 300 50ML 45735

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**UHU®**

# PLUS ENDFEST 300

**EXTREMELY STRONG, UNIVERSAL, SOLVENT-FREE, DUAL-COMPONENT EPOXY ADHESIVE**

## PRODUCT DESCRIPTION

Extremely strong, universal, solvent-free, dual-component epoxy adhesive.

## FIELD OF APPLICATION

Suitable for bonding metal, stone, concrete, porcelain, wood, glass, many synthetics. Ideal for (industrial) joints, which must meet the highest requirements, such as in electrical engineering, metalworking and automation.

Not suitable for bonding of PE, PP, PTFE, polystyrene, silicone rubber and soft PVC.

## PROPERTIES

- Extremely high final bond strength (300 kg/cm<sup>2</sup>)
- Extremely loadable
- Shockproof
- Filling
- Water resistant
- All-weather resistant
- VOC free
- Resistant to many solvents, diluted acids and alkalis
- Can be sanded, filed, drilled and painted after curing
- Provided with UL approval
- Resistant to temperatures between -40°C and +100°C

## PREPARATION

**Working Conditions:** Only use at temperatures between +15°C and +25°C and with maximum relative humidity of 65%.

To prevent the formation of bubbles by condensatin, the temperature of the adhesive and materials to be bonded should be the same as the ambient temperature and preferably between +18°C and +20°C. Process in a draft-free space.

Temperatures below +18°C slow down the curing process and result in less bonding strength. Additional heat (heater, infrared heater, or similar) is necessary for processing in cold conditions and in open air. Higher final bond strength is achieved when the curing process takes place at high temperatures up to a max. 180°C.

**Personal safety:** It is recommended that protective gloves are worn.

**Surface Requirements:** The materials to be bonded must be dry, clean free of grease.

**Preliminary Surface Treatment:** Thoroughly clean surfaces before bonding, for example, with acetone. Depending on the surface, roughen the parts to be bonded with scouring fibre or emery cloth.

**Tools:** Plus Gun and Plus static mixers.

## APPLICATION

### Directions for use:

Place the double syringe in the Plus Gun. Remove the cap of the double syringe. Press both components from both chambers and then place the Plus Static mixer. Apply the adhesive to rough materials on both sides, to smooth materials on one side. Next add materials together and fixate (clamping or pressing is not necessary). After use, remove static mixer and place cap on the double syringe.

**Stains/residue:** Remove wet adhesive residue immediately with warm water and soap. Dry adhesive residue can only be removed mechanically.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.



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**EXTREMELY STRONG, UNIVERSAL, SOLVENT-FREE, DUAL-COMPONENT  
EPOXY ADHESIVE**

## TECHNICAL SPECIFICATIONS

Bonding technique:	1-Sided application
Chemical base:	Epoxy resin
Chemicals resistance:	Water, oil, grease, solvents, diluted acids and alkalis
Colour:	Opaque, honey coloured
Consistency:	Liquid
Density approx.:	1,15 g/cm <sup>3</sup>
Filling capacity:	Very good
Final bond strength (Alu):	19 N/mm <sup>2</sup>
Final bond strength after:	24 hours
Handling time:	6 hours
Minimum application temperature:	5 °C
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	100 °C
Moisture resistance:	Good
Mixture ratio:	1:1
Paintability:	Yes
Potlife:	90 min
Solvent free:	Yes
UV resistance:	Very good
Viscosity:	Medium viscosity
Viscosity approx.:	35000 mPa·s
Water resistance:	Good

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