

# KLEIBERIT 601.4.10

## 1C STP Adhesive

**Hard elastic, fast setting adhesive for interior and exterior use. Neutral curing 1 component system based on silane-terminated polymers (STP) with high green strength.**

### Fields of application

- Elastic bonding of different materials such as wood, glass, metal, plastic and mineral substrates
- Bonds which require a high green strength

### Advantages

- Free of Plasticizers
- Very good green strength (wet strength)
- UV and weather resistant
- Permanently elastic
- Paintable  
(due to the number of paints and coating systems on the market, pre-testing is recommended)
- Odorless curing
- Bubble-free curing
- Processing from +5°C to +30°C

### Properties of KLEIBERIT 601.4.10

**Base:** STP  
**Cross-linking system:** cure under influence of humidity (air, substrate)

**Specific gravity, 20°C:** approx 1.60 g/cm<sup>3</sup>  
**Consistency:** pasty

**Viscosity 23 °C 6,8/s:** 250 Pa·s

**Skinning time  
 20°C/50%RH):** approx. 8 minutes  
**Setting speed  
 (20°C/50%RH):** approx. 2-3 mm/day

**Application:** bead form, point or surface

**Color:** grey

**Identification:** not required according to EU regulations  
 (see our safety data sheet)

**Thermal conductivity:** >0,451 W/m·K

## Mechanical Properties

**Hardness:** approx. 70-75 Shore A

### Application techniques

The parts to be bonded must be solid, free from dust and grease, and dry. Sand substrates such as metal for better adhesion.

For bonding large surfaces, at least one substrate must have permeable properties (e.g. wood, wood based materials, EPS).

Out of the aluminum cartridge:

Cut the end of the threaded nipple, screw on the nozzle and cut at an angle to the desired size. Place the cartridge in the pistol. Application with hand, compressed air or electric motor pistol.

Adhesion and compatibility of KLEIBERIT 601.4.10 should be checked by the user with pre-testing on their own substrates and under the individual conditions.

The substrates must be joined within the skinning time mentioned.

Materials can only be painted after full curing.

Avoid 3-sided adhesion on moving joints. Use suitable backfill material, e.g. PE-round cord. Immediately wipe away excess material.

Use open cartridges on the same day, otherwise it can set.

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### Cleaning

Clean working tools immediately after use. Cured adhesive can only be removed mechanically.

### Packaging

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Barrel 200l

Additional packaging sizes available upon request.

### Storage

KLEIBERIT 601.4.10 can be stored for approx. 12 months in a cool and dry place.

Version 18/05/20 ga

#### Waste Disposal

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations.  
Our containers are made of recyclable material.

#### Service

Our application department may be consulted at any time without obligation. The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself the suitability of our products for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical consultancy service which is rendered free of charge and without obligation.