

KLEIBERIT 601.1

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 very high green strength.

Fields of application

- Elastic bonding of different materials such as wood, glass, a variety of metals, mineral substrates and most plastics
- Bonds which require a high green strength
- Bonding of mirrors that comply with DIN EN 1036

Advantages

- Very low emission (EC1 plus R) according to EMICODE classification (GEV licensing no. 8781/01.01.11 dated 29/01/2018)



- Emission class A+ in accordance with French VOC regulation



- Very good green strength (wet strength)
- Compatible with natural stone
- UV and weather resistant
- Permanently elastic
- Paintable
(due to the number of paints and coating systems on the market, pre-testing is recommended)
- Fast and bubble-free curing
- Processing from +5°C to +30°C

Properties of KLEIBERIT 601.1

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

Specific gravity: approx 1.60 g/cm³
Consistency: pasty
Skinning time (20°C/50%RH): approx. 8 minutes
Setting speed (20°C/50%RH): approx. 2-3 mm/day

Color: grey

Identification: see our safety data sheet

Mechanical Properties

Hardness: approx. 73 Shore A

Tensile strength (DIN EN ISO 527-3): approx. 2,6 N/mm²
Elongation at tear (DIN EN ISO 527-3): approx. 140%

Application: bead form, point or surface

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 601.1 has to 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.

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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.

Application restrictions:

Not suitable coloured metals.

Cleaning

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

Packaging

KLEIBERIT 601.1

carton with 12 PE cartridges at approx. 280 ml each (corresponds to 450 g)

carton with 12 PE cartridges at approx. 310 ml each (corresponds to 496 g)

Additional packaging sizes available upon request.

Storage

KLEIBERIT 601.1 can be stored for approx. 12 months in a cool and dry place.

Version 24/05/2023 ga; replaces previous versions

Adhesive and Waste Disposal

Waste Code 080410

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.