

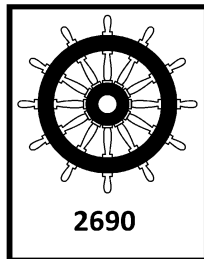
# KLEIBERIT 566

## 1C-PUR-Adhesive

**Permanently elastic, construction adhesive based on polyurethane. Curing takes places due to reaction with humidity.**

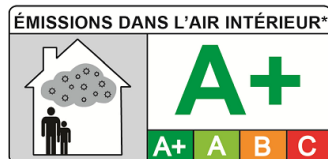
### Fields of application

- Bonding of metal supports for double-layer floorings
- Bonding of metals, lacquered sheet metals, wood, plastics, natural stone, ceramics, clinker, brickwork, concrete etc.
- Bonding in shipbuilding  
KLEIBERIT 566 complies with IMO FTPC Part 5 & Part 2  
Certified application quantity: 120 g/m<sup>2</sup>



### Advantages

- Single-component system - no mixing
- Paintable with usual lacquer systems
- Non-corrosive
- Restraining effect on vibration
- Permanent elasticity
- Fire resistance (EN 13501) – class E
- Emission class A+ according to French VOC regulations



### Properties of the product

**Base:** polyurethane

**Density at 20 °C:**

Black: 1.15 ± 0.02 g/cm<sup>3</sup>

Other colours: 1.16 ± 0.02 g/cm<sup>3</sup>

**Colours:**  
566.0 = grey  
566.4 = black  
566.5 = white

**Consistency:** pasty

**Skimming time:** approx. 1 hour (depending on surrounding climate)

**Hardness EN ISO 868**

(28 days, 23 °C, 50%

relative humidity):

approx. 45 Shore A

**Tensile strength**

(DIN 53 504):

approx. 1.8 N/mm<sup>2</sup>

**Elongation at tear**

(DIN 53 504):

> 600%

**Resistance to tear**

**propagation:**

> 6 N/mm<sup>2</sup>

**Memory effect**

(DIN EN ISO 7389):

> 70 %

**Change in mass and volume**

(DIN EN ISO 10563):

approx. 15 %

**Water vapour permeability**

(DIN 53122):

approx. 2,000

**Processing temperature:**

-recommended

+15 °C to +25 °C

-possible

+10 °C to +35 °C

**Temperature resistance**

**in hardened state:**

-40 °C to +90 °C

(for a short time up to 120°C)

**Setting speed:**

at 23 °C / 50% relative air

humidity:

approx. 3 mm per 24 h

at 10 °C / 50% relative air

humidity:

approx. 2 mm per 24 h

**Identification:**

required according to EU regulations, contains

Isocyanates (see our safety data sheet)

**Chemical resistance**

**long-term:**

water, salt-water, lime water, public waste water, aqueous cleaners, diluted acids and lye's

**short-term:**

petrol, nitro-thinner, spirit, mineral oil

**not resistant or only for short-term:**

solvents and organic acids, alkalis and mineral acids in concentrated form, alcohol, diluting agents for lacquers

Can change colour under the influence of UV radiation.

Restricted to professional users

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## KLEIBERIT 566

**This information is without obligation and only intended to give basic parameters regarding the range of use of KLEIBERIT 566.**

### Application techniques

Application with hand pistol or air pressure pistol. Bring the cartridge or hose bag to room temp. (15-25 °C) before processing.

#### Out of the hose bag:

Insert the hose bag in the gun and cut it below the clip. Close the gun and start pressing out.

#### Out of the aluminium cartridge:

Break the seamed top by means of screwdriver or the like, pierce the protecting membrane of the cartridge thread completely. Cut the plastic point diagonally to the desired size (of your joint) and screw it on the cartridge.

#### Attention:

**Once started, the cartridge or hose bag should be used up the same day, otherwise it sets.**

The parts to be bonded must be free from dust and grease. It is recommended to clean the surfaces with KLEIBERIT 820.0 or Acetone. (Resistance of the substrates to such cleaners must of course be ensured)

Fumed wood, i.e. fumed oak, must be free from ammoniac. Timbers with a high content of oil or grease i.e. exotic timbers need to be tested for suitability.

When using KLEIBERIT 566 to bond floors it is necessary that the underground complies with the required norms regulations and guidelines. The underground must be ready i.e. dry, level, firm, free from dust, free from cracks and pull and push resistant.

Floors which could encounter rising damp must be sealed with a moisture resistant coating, such as coating KLEIBERTI 529.0, below the screed.

The quantity required will depend on the consistency of the underground. Sanded screeds are not suitable and need to be hardened. Absorbing and sanded undergrounds could benefit from being sealed with Sealing Compound KLEIBERIT 697.0.

The quantity required of KLEIBERIT 697.0 is approx. 200 g/m<sup>2</sup>, depending of the absorption properties of the underground.

Apply KLEIBERIT 566 to one side, if necessary slightly spread it with a wooden spatula within the skinning time, join the parts together and fix them.

### Cleaning

The compound flown out during pressing can be removed using KLEIBERIT 820.0 or Acetone if not yet set. Cured compound can only be removed mechanically.

### Packaging

#### KLEIBERIT 566:

carton with 12 cartridges of 300 ml/355 g each  
carton with 20 flexible tubes of 600 ml/700 g each

#### Cleaner

##### KLEIBERIT 820.0:

metal canister, 4.5 kg net  
carton with 12 metal bottles of 800g each  
metal can, 22 kg net

Additional packaging size upon request.

### Storage

KLEIBERIT 566.0 can be stored for at least 12 months in factory sealed containers. Store in a cool and dry place, not above +25 °C. Bring to room temp. (15-25 °C) before use.

Version 10/03/2022 al; replaces previous versions

#### Disposal of containers and contents

Waste disposal key **080409**

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.