

# KLEIBERIT 884.3

**Heat resistant two-component mastic of inorganic basis, cold or warm setting.**

## Fields of application

- Imbedding of heating elements and thermo feelers
- Casting of resistance wire

## Advantages

- Temperature resistant up to 950° C
- Good adhesion properties on metal, glass, porcelain, ceramics and similar materials
- Solvent-free system

## Properties of the hardened mastic

Electrical disruptive strength:

at 21° C = 4.900 – 14.900 V/cm

Thermal conductivity: ca. 0,6-0,9 W/(m\*K)

Shrinkage: ca. 0,5 %

Coefficient of thermal expansion:

ca.  $11,2 \times 10^{-6}$  1/K

Tensile shearing strength: ca. 1,7 N/mm<sup>2</sup>

Compression strength: ca. 15,2 N/mm<sup>2</sup>

Resistant against most solvents, oil, water and many acids, including nitric acid, sulphuric acid and chromic sulphuric acid. Not resistant against hydrofluoric acid and alkali.

In warm condition the 2-component kit stands out for excellent electrical resistance; thereby heat is well conducted.

## Properties of the mastic

**Two-component system, inorganic**

**Mixing proportion:**

Comp. A : Comp. B = 2 : 1 parts by weight

Comp. A = white-grey powder

Comp. B = colourless, transparent liquid

**Consistency of the mixture:** able to be applied by brush or spatula

**Service life at 150g mixture**

**and 20° C:** approx. 30 - 45 minutes

**Time of fixation:** at 20° C = 24 hours

at 80° C = 2 hours

depending on object

**Identification:** see our safety data sheet

## Application techniques

The parts to be bonded must be clean, dry, free of dust, oil and grease. Do not process below +5 °C. 2-component kit in the proportion Comp. A (884.3): Comp. B (884.4) = 2 : 1 parts in weight; Pour the liquid (884.4) into a clean mixing vessel and slowly add the powder (884.3) while stirring. Continue stirring until a uniform creamy consistency is obtained. It can be stirred with a slow stirring mixer, or by hand with a spatula. Ensure that the mixture is well blended!

**Before mixing Component A should be stirred and Component B shaken well.**

## Setting process

The setting of the 2-component kit is depending on following factors:

- type of joint
- size of bonded part
- surrounding temperature

## Time of fixation

The final hardness is achieved at 20° C after 24 hours and at higher temperatures (max. 80° C) after approx 2 hours. The fixing time depends on the object. The mastic is applied on one or two sides. The parts have to be fixed after having been put together. Pressing is not necessary.

## Cleaning

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Working tools and containers can be cleaned with water.

## Packaging

### Component A 884.3:

Bucket of 20 kg net

### Component B 884.4:

Canister of 20 kg net

Other container sizes on request.

## Storage

The 2-component kit 0 can be stored for 1 year in factory sealed container. Component B has to be protected from frost!

04/22 lz; replaces former data sheet

### 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.