KLEIBERIT 599.0

2C PUR Adhesive

Fields of application
Hard moulding compound for manufacturing oil filters (without metal end caps) in the casting process.

Properties of the moulding compound
Two-component system, solvent-free

Base: Polyurethane
Component A: KLEIBERIT 599.0
Component B: KLEIBERIT 578.0

Mixing ratio: Component. A : Component B
= 100 : 35 parts by weight or
= 100 : 45 parts by volume

Specific weight at 20°C:
Comp. A: 1.60 g/cm³
Comp. B: 1.24 g/cm³

Viscosity at 20°C
-Brookfield, Sp.5/20 Upm:
Comp.A approx. 12,000 mPa·s
-Brookfield, Sp.6/2,5 Upm:
Comp.A approx. 21,000 mPa·s

Reaction time (100g mixture by hand, 20°C in a cup)
approx. 90 seconds (solid)
The pot life can be set as needed.

Hardness (Shore D): approx. 83

Identification: Component B requires identification according to EU regulations, contains 4,4'Diphenylmethanediisocyanate (see our safety data sheet)

Processing
The moulding compound is processed using a 2-component mixing and dosing unit.

To achieve homogenous curing the moulds should be preheated (50°C). In order to achieve ideal material properties, we recommend storing the moulded parts a few days before exposing to any stress.

Homogenise Comp. A before processing.

To avoid foaming of the moulding compound, the filter papers must be dry. Both components of the moulding compound must be well protected from moisture. When extracting material from the container, the inflowing air must be dried well (eg, via drying cartridge).

Component B forms a skin or even a solid layer when it absorbs moisture, which can lead to blockage of the machine.

Packaging
KLEIBERIT 599.0, Comp. A:

Metal pail	40 kg net
Metal dru	260 kg net
Plastic container	1.500 kg net

KLEIBERIT 578.0, Comp. B:

Metal can	32 kg net
Metal drum	250 kg net
Plastic container	1.250 kg net

Cleaner
KLEIBERIT 820.0:

Metal can	22 kg net

Additional packaging available upon request.

KLEIBERIT SE & Co. KG, Max-Becker-Str. 4, 76356 Weingarten/Germany
Phone: +49 7244 62-0, Fax: +49 7244 700-0
Email: info@kleiberit.com, **www.kleiberit.com**

KLEIBERIT 599.0

Cleaning

For cleaning purposes, we recommend the use of KLEIBERIT 820.0.
For the mixing and dosing units, please observe the instructions supplied by the manufacturers of the units used.

Storage

KLEIBERIT 599.0 - Component A and KLEIBERIT 578.0 - Component B can be stored in factory sealed containers as follows:

Component A: approx. 6 months
Component B: approx. 12 months

Store in cool and dry conditions.

Component A shouldn't be stored at temperatures below +15 °C. If the storage temperature is below the recommended storage temperature for a longer period of time partial crystallization can occur. In this case the product has to be warmed up to at least +35 °C before processing and has to be homogenized.

Component B is not temperature sensitive at temperatures above -20 °C.
Before processing bring up to room temperature.

Version 14/12/2016 XI; replaces previous versions

Adhesive and Waste Disposal

Waste Code 080410 Component A
Waste Code 080501 Component B

Our containers are made of recyclable material. Well drained containers can be recycled.

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.

KLEIBERIT SE & Co. KG, Max-Becker-Str. 4, 76356 Weingarten/Germany
Phone: +49 7244 62-0, Fax: +49 7244 700-0
Email: info@kleiberit.com, **www.kleiberit.com**