

KLEIBERIT 525.5

2C-PUR-Moulding Compound

Fields of application

- Longitudinal joint bonding of filter elements

Advantages

- Good resistance to various media
- Hard setting
- Self-thixotropic
- Low viscosity of the single components but pasty- thixotropic consistency of the mixture

Properties of the moulding compound (before and during processing)

Two-component system, solvent free

Base:	Polyurethane
Component A:	KLEIBERIT 525.5
Component B:	KLEIBERIT 578.0
Mixing ratio:	
Comp. A : Comp. B	3.0 : 1, parts by weight or 2.1 : 1, parts by volume

Specific weight at 20° C:

Comp. A	1.76 ± 0.03 g/cm ³
Comp. B	1.24 ± 0.02 g/cm ³
Mixture	1.58 ± 0.05 g/cm ³

Colour: Beige, others possible

Viscosity at 20°C

Brookfield, sp. 5/ 20 rpm:

Comp. A	16,000 ± 4,000 mPa s
Comp. B	300 ± 70 mPa s

Pot Life at 20° C (100 g of

mixture in container): approx. 3½ minutes (cured)

Consistency of the

mixture: During application temporarily fluid, after that stable

Identification:

Component B: subject to identification according to the German hazardous substances regulations GefStoffV, contains 4.4' diphenyl methane diisocyanate (see our safety data sheet).

Properties of the bonded system

Hardness, Shore D (DIN 53 505):

approx. 85 in initial state

approx. 80 after 30 days in PER

Bond Strength (similar to DIN 53 283):

approx. 14 MPa in initial state

When used as an adhesive –

approx. 14 MPa after 30 days in PER

Test strip of electrolytically galvanised metal:

approx. 11 MPa after 30 days in water (RT)

approx. 12 MPa after 30 days in petroleum

approx. 8 MPa after 30 days in water at 50° C

Application techniques

The application of the moulding compound is done by means of two-component mixing and dosing devices. Upon request we can provide you with names of machine manufacturers.

Homogenise component A well before use.

The best application temperature is 20-25° C.

Higher temperatures accelerate and lower temperatures delay the setting process.

The material is adjusted in a way that it keeps flowing for a few seconds after exiting the mixing chamber, after that it becomes stable

Cleaning

Tools and two-component mixing and dosing devices can be cleaned and rinsed with KLEIBERIT 820.0.

Please follow the instructions given by the machine manufacturer.

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Packaging

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Component A:
metal drum, 260 kg net

KLEIBERIT 578.0

Component B:
metal drum, 250 kg net

KLEIBERIT 820.0:

metal can, 24 kg net

Storage

The best storage temperature is at 15-25°C. Both components must be kept well sealed and be protected from humidity.

Component A is hygroscopic and the quality of the mixture can be affected by the absorption of humidity (resulting in bubbles or foam). Component B forms a skin upon exposure to humidity.

Both components can be stored at room temperature in factory sealed containers for approx. 6 months. Open containers should be used as soon as possible.

Version 21/10/2020 ga; 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.