

KLEIBERIT 578.1 Panel PUR A2

2C PUR adhesive

Fields of use

Bonding:

- Insulation panels made from polystyrene or mineral wool to metal sheet or other sheet material, for the manufacture of sandwiched insulating panels in specialised production plants

Properties of the adhesive

Two-component, foaming system

Base: Polyurethane

Component A: KLEIBERIT 578.1

Component B: KLEIBERIT 578.0

Mixing ratio: Comp. A : Comp. B = 100 : 115
parts by weight, or
Comp. A : Comp. B = 100 : 100
parts by volume

Specific weight (at 20 °C):
Comp. A: 1.07 ± 0.02 g/cm³
Comp. B: 1.24 ± 0.02 g/cm³

Viscosity

- **Brookfield RTV, Sp. 2/20 rpm (20 °C):**
Comp. A: 350 ± 100 mPa·s
Comp. B: 300 ± 100 mPa·s

Colour: Comp. A: light yellowish
Comp. B: brown

Reaction times:

(50 g mixture in a laboratory beaker at 20 °C)

Adhesion-free 25 ± 2 seconds

Raw density (free foamed):

53 ± 5 kg/m³

Heat of combustion (PCS, calorific value) according to DIN EN ISO 1716: 27,2 MJ/kg

Identification: See our safety data sheet

Processing

Processing is performed in a specially designed sandwich panel plant.

Application quantity: 120 - 250 g/m² (depending on the respective application).

Cleaning

We recommend the use of either KLEIBERIT 820.0 or acetone to clean working tools and as a flushing agent.

Container sizes

KLEIBERIT 578.1, Comp. A:

Steel drum 200 kg net

KLEIBERIT 578.0, Comp. B:

Steel drum 250 kg net

Cleaner

KLEIBERIT 820.0:

Metal can 22 kg net

Additional packaging sizes available upon request.

Storage

Components A + B can be stored in the original sealed containers for minimum 12 months.

Comp. B is frost resistant to -25 °C.

Comp. A becomes solid at temperatures below +5 °C. It becomes liquid again at room temperature

Recommended storage temperature: 10 - 25 °C.

Warm both components to room temperature before use.

Version 15.12.2025 al; replaces previous versions

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