

Assembly Glue 586.0

1 component acrylate adhesive with high bond strength – especially for polystyrene panels and profiles.

Fields of application

Bonding of:

- Insulating and sound deadening panels made of expanded polystyrene, e.g. EPS “Styropor”
- Metal to EPS
- PUR/PUR foam, plasterboards, mineral-fibre panels
- Wood and other absorbent substrates
- Moulding, baseboards and profiles

KLEIBERIT Assembly Glue 586 **should not** be used in sanitary areas, on marble/natural stone, in underground work, on bituminous substrates, on un-treated (non-primered) metal substrates, as well as joints which have constant contact with moisture (e.g. concrete surfaces in contact with the ground).

KLEIBERIT Assembly Glue 586.0 is **not** suitable for bonding **extruded polystyrene**.

Advantages

- Easy and fast processing out of the cartridge
- Can be painted and cleaned over*
- Free of solvents, isocyanates and silicone
- Odourless
- High initial and final strength
- Fast drying, can be sanded quickly
- Good UV and ageing resistance

*Due to the number and variety of coating systems on the market, individual tests should be conducted to evaluate the bond and the ability to paint over.

Properties after processing

Slump

(ASTM 2202) : ≤ 2 mm

Skin Formation: approx. 3 minutes*

Curing: ≤ 2 mm/d*

Penetration

(DIN 51579/5 sec.): approx. 190 1/10 mm

Hardness (shore A)

(DIN 53505 (28 d NK)): approx. 75

Mass shrinkage

(ISO 10563): max. 27%

Temp. Resistance: -25°C to +80°C

*The reaction speed depends on the temperature and humidity as well as the absorption of the substrates. The above data corresponds to tests at normal climate (23°C / 50% RH). Lower temperatures or higher humidity slow down skin build up and curing.

Properties of adhesive

Base: acrylate dispersion

Specific gravity: approx. 1.46 g/cm³

Consistency: pasty, may be trowelled

Productivity: 450 g (310 ml) adhesive = joint, 5 x 5 mm, approx. 12 m long joint, 10 x 10 mm, approx. 3 m long

Processing temp.

fresh sealant: +5°C to +40°C

Colour: white

Identification: identification not required according to the German hazardous substances regulations GefStoffV (see our safety data sheet)

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Application

The adhesive should not be processed below +5°C. The substrates must be solid, dry and free from dust and grease.

At least one of the substrates to be glued must be absorbent and allow for diffusion.

Before adhesive application, remove laitance, release oil, coatings and impregnators. When doing sanitary work, old adhesive, paint and non-stable layers must be completely removed.

Highly absorbent, porous and non-abrasion proof substrates (e.g. porous concrete) must be pre-treated with diluted adhesive (with water, a 1:3 to 1:4 ratio). To avoid soiling, we recommend covering the edges with tape before bonding.

Joint dimensions

The adhesive thickness should not be below 2 mm. Assembly glue 586.0 can even out up to 12 mm of unevenness.

Bonding

Bonding can take place immediately after linear or wavelike application of adhesive (with a suitable hand, battery or air pressure sealant pistol). Never bond an entire surface. The adhesive can also be spread on larger surfaces with a notched trowel.

If the bonding takes place after skin build-up, rub the glued surfaces together to break the skin.

Bonding should take place 15 minutes at the latest after adhesive application. Quick corrections are still possible. Heavy pieces, depending on the bonding thickness, can be additionally fixed until the initial strength is reached (approx. 24 hours).

If necessary, used tape can be removed immediately after bonding. Protruding adhesive can be shaped with suitable tools (e.g. sponge, spatula, etc.).

Productivity

The functional capability of KLEIBERIT Assembly Adhesive 586.0 can only be ensured with proper processing in connection with joint dimensions and the adhesive application.

Application methods: with rack gun
with compressed air gun

Cleaning

Fresh adhesive can be removed with a moist towel. Immediately clean work tools with water after use. Cured adhesive can only be removed mechanically. Remaining adhesive can be moistened with water and wiped off after some time.

Packaging

KLEIBERIT Assembly Glue 586.0:
carton with 12 plastic cartridges, 450 g net each

Storage

KLEIBERIT Assembly Glue 586.0 can be stored in air tight cartridges at +5° to +40° C for approx. 15 months.

Protect from frost.

EX0707

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.