

RAUVISIO FLAT-LAM PUR

Reactive hot-melt adhesive

Area of application

- For adhesion during installation
- Good adhesion to various materials, e.g. Styrofoam, wood
- Wooden materials, PVC, aluminium, tin (pre-treatment may be necessary with certain materials)
- Adhesion of RAUVISIO crystal, brilliant and wave on raw MDF, raw chip board or lightweight support

Advantages

- After adhesion, a bond is created that is resistant to high temperatures, water, extreme cold and heavy loads
- Low processing temperature
- Long open time
- High initial strength
- Cures quickly

Properties of the adhesive

Basis: Polyurethane

Density: approx. 1.1 g/cm³

Viscosity (on the day of production)

- Brookfield HBTD 10 Upm:

at 120°C 13,000 ± 3,000 mPa·s

at 140°C 6,000 ± 2,500 mPa·s

Labelling: must be labelled as per EU regulations, contains diphenylmethane-4,4'-diisocyanate (see our safety data sheet)

Hot-melt adhesives produce vapours even if the prescribed processing temperature is complied with.

This can often cause unpleasant smells. If the prescribed processing temperatures are exceeded by a significant margin and for a longer period of time, there is a danger of creating harmful degradation by-products. For this reason, measures to remove the vapours, e.g. with an appropriate exhaust unit, must be employed.

Processing

Application of the adhesive should generally be carried out by using a roller system on the substrate.

The amount of adhesive applied can vary depending on the substrate, equipment and surroundings.

The ideal processing parameters must be defined based on sample pressing prior to series production.

Application temperature: 110-130°C

Open time: up to 10 minutes

(Depending on type of application, thickness of application and substrate)

Pressing time: 10-30 seconds

Reaction time: up to 7 days

(Depending on material and environment temperature)

Moisture is necessary for chemically bonding PUR hot-melt adhesives. Therefore, ensure there is sufficient air humidity during processing.

The adhesive joint is not resistant against oxidative media, strong acids and alkalines, nor strong and long-lasting UV exposure. We therefore recommend performing your own tests with regard to transferring critical filling goods.

Processing tools

- Hot-melt barrel systems for 200 litre containers
- Enclosed roller systems, nozzle and slotted nozzle applicators

Cleaning

After finishing work with RAUVISIO Flat-Lam PUR, empty the application unit and/or drain the remaining adhesive and immediately start applying the cleaning agent, allowing it to melt and sink in until the final remainder of the PUR hot-melt adhesive is removed. Bonded hot-melt adhesive can only be removed mechanically.

Container sizes for RAUVISIO Flat-Lam PUR

Box with 6 tins 2kg net each

Metal barrel net 200kg

Further container sizes available upon request.

Storage

RAUVISIO Flat-Lam PUR can be stored, unopened, in its original container.

Tins (2kg) approx. 12 months

Metal barrel approx. 12 months

Protect from moisture!

Details regarding the compression of individual components in terms of choice, conditioning, processing and storage can be found in the relevant RAUVISIO technical information.