

2-component polyurethane adhesives

DELO[®]-PUR



**Instructions for use &
General information
on the product group**

Application areas

DELO[®]-PUR adhesives are two-component polyurethanes predominantly used for bonding, sealing and coating in electronics, electrical engineering, mechanical engineering, tool construction and aggregate construction.

DELO[®]-PUR products are filled in double chamber cartridges and can be easily mixed and dispensed by means of dispensing gun and static mixing tube.

These products are suitable for the use in the entire industry. You can draw further information from the selection chart "DELO[®]-DUOPOX and DELO[®]-PUR adhesives in double chamber cartridge system".

Preparation of the components to be bonded

The contact surfaces must be free of oil, grease and other contaminations in order to achieve optimal bond strength. We provide our cleaners DELOTHEN. You can draw more detailed information from the technical information "DELOTHEN Cleaners".

After cleaning, adhesion to the component can be further improved by means of surface pretreatment. You can draw additional details from the written information on surface pretreatment.

The suitability and strength of the adhesive are to be verified on original components under application-specific conditions.

Processing

2-component products consist of the components A and B producing the ready-made adhesive after proper, homogeneous mixing in the correct ratio.

The data sheet and specification values are exclusively determined with components of the same batch and are only valid in this combination.

Open containers / hobbocks:

Component A:

1. Remove the cover.
2. Remove the Styrofoam plate.
3. Remove the protective sheet.
4. Insert the follower plate.

Component B:

Please make sure that no air humidity gains access into the open container!

1. Remove the cover.
2. Remove the drying agent.
3. Remove the Styrofoam plate.
4. Cut a cross of approx. 4 in (10 cm) into the aluminium product foil.
5. Insert the conveyance tube through the crosswise cut.
6. Insert the follower plate.

DELO®-PUR in double chamber cartridges:

The adhesive is applied by means of dispensing guns which are operated manually or pneumatically.

1. Insert the double chamber cartridge into the dispensing gun.
2. Remove the closing cap from the cartridge top by turning
3. Remove possibly cured adhesive from the outlet before initial use or when using cartridges which have already been opened. Equalize filling level deviations of the individual components by operating the locking lever.
4. Attach the mixing tube and lock it.
5. Operate the trigger lever.
6. When using new double cartridges or a new mixing tube with a cartridge in use, abandon at least the first content of the mixing tube in order to avoid mixing errors.
7. Apply the homogeneously mixed adhesive to the component.

When using the original closure cap for closing cartridges which have not been emptied completely, this can result in partially cured adhesive at the outlets of the cartridge. Therefore, use the filled mixing tube as closure.

If the processing pauses are shorter than the pot life of the 0.1 oz (3 g) preparation of the respective product, the same mixing tube can be further used.

In case of work finish or longer interruptions, the mixing tube can remain on the cartridge as closure.

Before further processing, the old mixing tube is removed, the outlet at the cartridge is ridged of possibly cured adhesive and a new mixing tube is attached.

Curing

2-component products cure through mixing of the two components at room temperature. After exceeding the pot life, the viscosity increases faster until complete curing. Higher temperatures reduce the curing time. Temperatures below room temperature decelerate curing, in extreme cases the product cures incompletely or not at all. Curing conditions deviating from room temperature can influence the product properties.

You can draw the detailed, product-specific information on the processing of each product from the respective technical data sheet.

Instructions and advice for occupational health and safety

see material safety data sheet

Storage

In unopened original container (in case of double chamber cartridges: unopened blister package).

Storage life: see technical data sheet

General

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behavior of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this.

It is the user's responsibility to test the suitability of the product for the intended purpose by considering all specific requirements. Type and physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behavior of the product compared to its behavior under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions.

The data and information provided are therefore no guarantee for specific product properties or the suitability of the product for a specific purpose.

If you have any further questions

Please contact us.

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10/09