

Conditioning Instructions

One-component Adhesives

Cartridges



Conditioning of adhesives

Adhesives must be protected from the following influences:

- Direct incidence of light
- Additional heat input
- Impacts (e. g. by falling on the ground)
- Early opening of the protective bag (applicable for humidity-sensitive adhesives)
- Exceeding of the processing time

These factors can impair the bonding result and cause trapped air.

Step 1: Conditioning of the delivered adhesive

First, the adhesive cooled by dry ice or thermal packs during transport must be conditioned to the specific storage temperature in the closed cardboard box (figure 1).

The product-specific description can be found on the instructions on the transport box (figure 2).



Figure 1: Inner cardboard box/ conditioning process



Figure 2: Transport Styrofoam box with conditioning instructions

Step 2: Removal of the frozen/cooled container from the freezer/refrigerator

Make sure that the container is only minimally touched. Thermally insulating gloves (figure 3) protect from direct contact. Large temperature differences, for example by touching with the skin, may lead to the adhesive becoming “detached” from the cartridge wall, and therefore trapped air.



Figure 3: Remove the adhesive in the blister pack from the freezer

Step 3: Conditioning of the frozen/cooled container to room temperature

The containers are conditioned at room temperature (max. +25 °C). If the specific chemistry requires storage in an air- and humidity-tight bag, it must not be opened before use.

The conditioning time and type can vary depending on the container type and size. The applicable description can be found in the Technical Data Sheets.

Adhesives in cartridges are conditioned and stored in an upright position with the tip down until use. The transport box allows safe positioning (figure 4, 5).

The DELO-FLEXCAP container can be conditioned in both upright and lying position.



Figure 4: Conditioning in the transport box



Figure 5 + 6: Conditioning at / to room temperature

Step 4: Processing at room temperature

After conditioning the container to room temperature (max. +25 °C), the product can be used. Humidity-sensitive products can now be taken out of the protective bag. Unless otherwise specified in the Technical Data Sheets, re-freezing/re-cooling is not permissible. The processing time starts now, and cannot be prolonged or stopped. Standstill times can be prevented by taking the various conditioning times for new container types/sizes into consideration at an early stage.

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