

# Reactive PUR Hotmelt 703.2

**Reactive hotmelt adhesive based on polyurethane for processing at low temperatures**

## Fields of application

- For assembly bonding
- Good adhesion to various materials like e.g. styrofoam, wood, wood based materials, PVC, aluminium, sheet metal (pre-treatment may be necessary depending on material)
- Bonding filter pleats

## Advantages

- Highly heat resistant, water resistant, cold resistant and durable bonds achieved after cross linking
- Low processing temp.
- Medium open time
- Very good application with roller
- Excellent heat and cold resistance
- The composition of KLEIBERIT 703.2 complies with FDA-Directive 21CFR § 175.105 and 177.1680 as well as EU-VO 10/2011

## Properties of the adhesive

**Basis:** Polyurethane

**Specific Gravity:** approx. 1.1 /cm<sup>3</sup>

**Viscosity (on the day of production)**

**Brookfield HBTD 10 rpm:**

at 120°C: 28,000 ± 5,000 mPa s

at 140°C 17,000 ± 3,000 mPa s

**Identification:** identification required according to EU regulations, contains 4,4' diphenyl methane diisocyanate (see our safety data sheet)

## Attention

When hotmelt adhesives are melted and applied, vapours are set free and an unpleasant odour can occur, even if the recommended working temperature has been observed. Moreover if the prescribed working temperature is exceeded over a longer period, harmful decomposition products can develop. Precautions should be taken to eliminate the vapours, e.g. by using a suitable ventilation system.

## Application techniques

For assembly bonds the adhesive is applied by means of nozzles, rollers.

Guns suitable for PUR Hotmelts may be used or pre-melting systems with heated hoses and application heads.

**Application temperature:** 100-120° C.

**Reaction time:** up to 7 days (depending on material and ambient temperature)

Chemical cross linking of PUR hotmelts requires moisture. Therefore sufficient air humidity has to be present during processing.

## Application devices

- Cartridge hand pistol for manual application
- Melting tanks with nitrogen protection
- Bulk melters for 20 and 200 litre drums
- Sealed roller systems, nozzle applicators

## Cleaning

Following completion of the work with KLEIBERIT PUR HM 703.2, run the application machine until empty, or drain off the remaining contents.

Immediately afterwards apply melted EVA, KLEIBERIT Cleaning Agent 761.7, until the PUR Hotmelt Adhesive is completely removed without traces remaining. Hotmelt adhesive which has already cross-linked can only be removed mechanically.

## Reactive PUR Hotmelt 703.2

### Packaging

#### **KLEIBERIT PUR HM 703.2:**

carton with 6 pouch packs at 1.8 kg net each

#### **KLEIBERIT Cleaning Agent 761.7:**

carton with 12 aluminium cartridges at 0.25 kg net each

carton with 4 pouch packs at 1.50 kg net each

Additional packaging sizes available upon request.

### Storage

KLEIBERIT PUR HM 703.2 can be stored in factory sealed containers for approx. 12 months.

Protect from humidity!

HZ 0714, replaces previous versions

#### **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.