

KLEIBERIT 707.0

PUR hotmelt adhesive

Fields of Application

- Two layer parquet manufacture in continuous production

Advantages

- Solvent-free
- Formaldehyde-free
- In-line processing or bonding possible, therefore press times require only seconds
- The chemical curing process provides extremely high resistance to temperature and moisture (higher than D4 dispersion adhesives)

Properties of the Bond

- Flexible glue line even when the chemical curing process is complete
- Very high green strength combined with pronounced tack
- Glue line remains flexible even following cross-linking (no creaking under load etc.)
- Good resistance to ageing
- Good resistance to solvents

Properties of the Adhesive

Base: polyurethylene

Specific Gravity: approx. 1.1 g/cm³

Viscosity: (on the day of production)

Brookfield HBTD 10 rpm:

at 120°C: 60.000 ± 15.000 mPa·s

at 140°C: 35.000 ± 10.000 mPa·s

Identification: refer to our safety data sheet

Note: Intended for commercial use only.

Even when the prescribed working temperatures are observed, hotmelt adhesives release vapours which can often cause unpleasant odours. If the working temperature shown is considerably exceeded for an extended period of time, harmful decomposition products can develop. Therefore suitable measures for the elimination of vapours must be taken, e.g. a suitable extraction ventilator.

Application

The adhesive is applied in bead form to the reverse side of the surface layer, or to the upper surface of the supporting layer. This is performed by passing several surface layers or supporting layers through an application plant, which is fitted with a battery of nozzles arranged to evenly spray the adhesive.

A lifting device fitted with suction pads lifts a layer sheet, swings it through a 90° angle and places it onto the corresponding sheet, which has already been coated with adhesive. The two layers are bonded together and transported further to a pressing plant which operates as soon as it is loaded.

This cycle requires only a few seconds. In a rotational plant, several presses are arranged together, and according to the order in which pressing is performed the press time required per item is 15 -30 seconds.

Once the pressing cycle is complete, the plant releases the finished parquet, which is removed on a conveyor belt to a stacking plant where it is automatically stacked.

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

Cleaning

Following completion of the work with KLEIBERIT 707.0 either run the application plant until empty or drain off the remaining contents. Immediately afterwards apply melted 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.

Small parts such as application nozzles, modules, etc, which bear traces of hardened PUR can be boiled in **KLEIBERIT Cleaner 826.0** and cleaned (see our technical data sheet).

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Packaging

KLEIBERIT 707.0

pouch pack, 17 kg net

metal drum, 190 kg net

KLEIBERIT Cleaning Agent 761.7

Metal bucket, 15 kg net

KLEIBERIT Cleaner 826.0

Metal can, 4.5 kg net

Additional packaging sizes available upon request.

Storage

KLEIBERIT 707.0 can be stored in unopened original factory containers as follows:

pouch pack (18 kg), approx. 12 months

metal drum, approx. 12 months

Protect from moisture!

09.03.22 lz; 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 any obligation.