



Assembly bonding



EVA, PO and PSA hotmelt adhesives are based on thermoplastic resins or resins which set purely physically. Final strength is reached after cooling down/crystallisation.

Reactive PUR hotmelts set physically and also cross link chemically. This cross-linking gives PUR bonds a significantly higher temperature and moisture resistance compared to physically setting hotmelts.

High quality bonding of many and plastics is possible with PUR hotmelts.

KLEIBERIT EVA-Hotmelt Adhesives

KLEIBERIT 713/ 716 EVA-HM

for assembly bondings of a variety of wood based materials, and temporary assembly bonding

- low viscosity
- very fast melting
- can be processed with very fine nozzles

KLEIBERIT 785 Thermobond

EVA hotmelt adhesive sticks for assembly bonding with minimum adhesive consumption.

- good adhesion to many substrates
- long open time
- simple application

KLEIBERIT 728 Pressure Sensitive-HM

Pressure sensitive hotmelt for bonding of decorative mouldings on furniture fronts or covering fabrics on loudspeaker boxes etc.

- very good thermal stability - no cold flow
- easily sprayable

ADHESIVES

Hotmelt adhesives are in use for assembly bonding in a variety of industries such as the furniture, wood working, building, plastic and metal industries. The fast curing properties of hot melts allow immediate further processing. Hotmelts based on ethylene-vinyl acetate (EVA), polyolefin (PO) and reactive polyurethane (PUR) cover nearly all requirements in the field of assembly bondings.



Clip bonding in the automotive industry

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Spray application

KLEIBERIT PO-Hotmelt Adhesives

KLEIBERIT 725.1 PO-HM

Low-viscosity polyolefin hot melt for assembly bonding of a wide variety of wood based materials

- very good adhesion - also to polypropylene
- heat resistance up to 100°C



Bead application

KLEIBERIT PUR-Hotmelt Adhesives

KLEIBERIT 700/706 PUR

for bonding of wood, wood based materials, ABS, PVC, PC and PMMA plastics, copper and brass.

- low viscosity
- very long open time up to 4 minutes

KLEIBERIT 703.5 PUR

An universal hot melt suitable for nearly all plastics such as PVC, ABS, PC, GFK, and PMMA also suited for wood and wood based substrates, as well as metals such as aluminium, copper, brass and zinc

- excellent adhesion to most lacquers

KLEIBERIT 704 PUR

for thermoplastic plastics and metals.

- elastic
- very good tack
- no stringing when applied in beads
- no dripping
- excellent adhesion

KLEIBERIT 702.3 PUR

Universal PUR-HM with fast setting properties

- good green strength
- low viscous - good sprayability
- hard and tough glue line
- suitable for solid wood and exotic timber

KLEIBERIT 707.2 PUR

for assembly bondings of highly stressed materials (memory)

- very good green strength
- hard and tough glue line

Application

EVA and PO assembly hot melts are usually applied with heated granulate guns. The application temperature is between 160° C and 200° C.

Pressure sensitive hot melts cannot be granulated at room temperature due to their stickiness. They are produced in blocks and are then melted in a small premelter and then sent through a heated pipe to the application nozzle.

Reactive PUR hot melts are applied with a heated cartridge gun.

The application temperature of reactive PUR hot melts is between 120° C and 150° C.

The temperatures of the standard assembly guns can be controlled. The melted adhesive is pushed towards the application nozzle by compressed air. Compressed air and application quantity can be adjusted.

By means of another spraying nozzle and a special application device, it is also possible to spray the adhesive.

KLEIBERIT PUR hot melts for assembly bondings

KLEIBERIT Produkte	Wood	Plastic					Lacquer	Metal			
		ABS	PVC	PC	GFK	PMMA		Al	Cu	brass	Zn
KLEIBERIT 700.5 PUR	■	▼	▼	▼	▼	▼	●	●	▼	●	●
KLEIBERIT 702.3 PUR	■	▼	▼	▼		▼	▼	▼			●
KLEIBERIT 703.5 PUR	■	■	■	■	■	■	■	▼	■	■	■
KLEIBERIT 704.2 PUR	▼	■	▼	■	■	■	▼	■	●	▼	■
KLEIBERIT 707.2 PUR	■	▼	■	▼	▼	●	●				

■ very well suited ▼ well suited ● possible



Simple and clean application with heated cartridge guns.