



Jowatherm-Reaktant® 639.10



PUR hot melt adhesive for high requirements in the assembly of foam mattresses

No water → no drying

Immediate filling and packaging possible

Easy handling of mattresses due to high initial strength

Increased efficiency due to optimised processes

The requirements for a strong and durable bond in the manufacture of foam mattresses are constantly growing. For instance due to new materials and mattress compositions which are difficult to bond with standard adhesive systems.

Like in many other applications, reactive polyurethane hot melt adhesives (PUR) provide major benefits for the bonding of foam mattresses due to the special characteristics of this product group. **Jowatherm-Reaktant® 639.10** impresses with excellent bonding results on all established materials, especially on materials which are difficult to bond, such as latex, visco or gel foam.

The PUR hot melt adhesive facilitates high-quality bonds and ensures long-term resistance. The bondline is permanently soft and meets high expectations for quality and comfort.

Requirements regarding harmful substances according to IKEA, Oeko-Tex100, LGA, TÜV and Blue Angel are met. In general, the adhesive can be applied on one or both surfaces, by roller or spraying. For an even better bonding result, the application amount may be reduced significantly during two-sided application where allowed by the process and mattress construction.

The high initial strength ensures easy handling of the mattress before pressing as well as an easy filling and packaging process.

In addition, process costs can be reduced and efficiency increased due to the immediate filling, packaging and shorter interim storage. Coupled with increased process reliability, these are major advantages of PUR hot melt adhesives in the assembly of mattresses.

Benefits of **Jowatherm-Reaktant® 639.10** in foam mattress assembly applications:

- 100 % solids content, no water used during bonding, immediate packaging possible
- Inline roll-packing of the mattress without long drying times, depending on mattress structure
- Less storage and production area necessary
- Reduced costs due to higher yield possible
- Storage and transport stable adhesive
- Foam layers may be repositioned
- Short pressing time
- High initial strength – easy handling of the mattress
- Very high heat resistance and compound strength due to chemical crosslinking



Jowatherm Reaktant® 639.10

Application by roller or spraying. For the assembly of foam mattresses as well as for foam lamination.

Polymer basis		PUR
Processing temperature	[°C]	110 - 130
Viscosity - Brookfield at 120 °C	[mPas]	approx. 14.000
Open time – Jowat test method	[min]	up to 3
Reaction time depending on environmental conditions	[days]	1 to 3
Density	[g/cm³]	approx. 1,1
Appearance		opaque

The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide range of different applications, substrates, and processing methods beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it! Customer trials under everyday conditions, testing for suitability at normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications as well as further information, please refer to the latest technical data sheets.