



Jowat
GREEN ADHESIVES

Jowatherm-Reaktant® MR 642.90



PUR hot melt adhesive with hazard-free labeling for the lamination of interiors

- Processing with all established application methods
- No hazard labeling*
- High initial strength

(*in accordance with EU Regulation 1272/2008 and EU Directive 2008/58/EC)



One for All, All for One

Jowatherm-Reaktant® MR 642.90 is a PUR hot melt adhesive without GHS pictograms. The extremely versatile adhesive has been developed for the lamination of interior automotive parts, and meets all demands of modern modular production processes. It can be processed using all established application method, is particularly impressive when applied by spraying and is used for 3D lamination operations in the automotive industry.

Jowatherm-Reaktant® MR 642.90 is characterized by high initial strength and good creep resistance. In addition it has a very strong resistance to plasticizers.

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Based on	PUR MR
Appearance	colorless opaque
Viscosity at 140°C	~23,000 mPas
Processing temperature	110°C–150°C
Softening point	75°C
Reaction time	~7 days
Initial strength	● ● ●
Creep resistance	● ● ●
Plasticizer resistance	● ● ●



What are PUR hot melt adhesives with hazard-free labeling?

One-component moisture-curing PUR hot melt adhesives have been an established technology for decades. The difference between conventional and hazard-free PUR hot melt adhesives lies in the content of free **monomeric diisocyanate**. Depending on the concentration, isocyanates have an irritating effect on the skin, mucous membranes, eyes and respiratory tract, but can also cause **allergic reactions**. Products containing more than 0.1 percent isocyanates must therefore be labeled with the corresponding hazard symbols. As of August 24, 2023, everyone within the European Union who comes into contact with PUR hot melt adhesives is required by law to have completed a mandatory training. However, adhesives with a free monomeric diisocyanate content of **less than 0.1 percent** are **not subject to hazard labeling**—and therefore also **not subject to the training requirement**.

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.