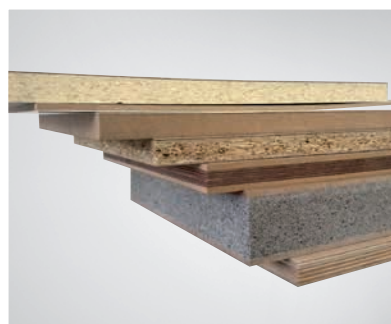




Jowat
GREEN ADHESIVES



Jowatherm-Reaktant® MR 609.90 & 609.93



PUR hot melt adhesives with hazard-free labeling for flat lamination

- Wide range of applications for many materials
- Easy to process
- Improved occupational safety

Better occupational safety, better bonding results


Jowatherm-Reaktant® MR facilitate higher workplace safety and save time and money for mandatory training—without forgoing the unrivaled quality of PUR technology.

Choose between **Jowatherm-Reaktant® MR 609.90** and **Jowatherm-Reaktant® MR 609.93** for the flat lamination of wood-based and composite materials—two high-performance products which impress with a wide range of applications and great convenience.

Jowatherm-Reaktant® MR 609.93 provides the renowned benefits of PUR hot melt adhesives and stands out due to a well-balanced performance profile. The high initial strength of **Jowatherm-Reaktant® MR 609.90** facilitates the bonding of high-tension materials while also allowing for a repositioning of the substrate before the parts are pressed together. Coupled with the broad spectrum of adhesion, it ensures a reliable bonding of a wide range of substrates—not only wood-based materials but also metal and other challenging surfaces.

Jowatherm-Reaktant® MR 609.90 & 609.93

PUR hot melt adhesives with hazard-free labeling for the flat lamination of wood-based materials

Jowatherm-Reaktant® MR	609.90	609.93
Based on	PUR MR	PUR MR
Viscosity at 120 °C	~30,000 mPas	~14,000 mPas
Processing temperature	100°C–130°C	110°C–130°C
Open time at 120 °C	~3 min	~3 min
Initial strength	●●●	●●○
Range of adhesion	●●●	●●○
Certification	-	 IMO Resolution A.1/3.18 e



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 will be 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 in this brochure is based on laboratory tests carried out in-house and practical experience, and does not constitute a guarantee of properties. Due to the variety of applications, materials used and processing methods, over which we have no influence, no liability can be derived from this information nor from the use of our cost-free technical consulting service. Before processing, please request the individual data sheet and take note of it! It is absolutely essential that you carry out your own tests under everyday conditions, suitability tests under production conditions and corresponding serviceability tests. Specifications and further information can be found in the latest technical data sheets.