



Jowatherm-Reaktant® GROW 631.20 -
Independently Verified for Environmental Credentials

• Containing 22% biobased materials

Learn more about this product, environmental verification, and applicable exemptions by visiting:

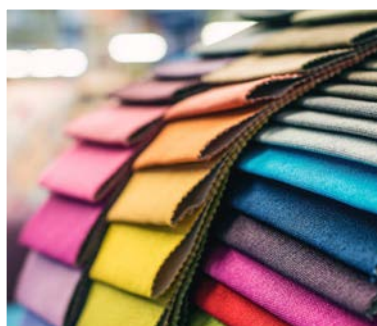
www.intertek.com/green/certification

Certification No: 2002535



Intertek

Jowatherm-Reaktant® GROW 631.20



**Bio-based polyurethane hot melt adhesive for
sustainable textile lamination**

Certified by independent institutes

Resource-efficient high-performance adhesive

Soft touch and high resistance to washing

Sustainable textile lamination with Jowatherm-Reaktant® GROW!

Jowatherm-Reaktant® GROW 631.20 is the first reactive polyurethane hot melt adhesive for textile lamination developed from renewable raw materials.

With more than 20 % bio-based renewable raw materials, it saves a considerable quantity of resources in its first development stage. A wide variety of material combinations achieve high resistance to washing and a soft-touch composite.

Jowatherm-Reaktant® GROW 631.20

Polymer basis		Polyurethane
Processing temperature	[°C]	110 - 140
Viscosity at 140°C	[mPas]	6,000 ± 2,000
Bio-based raw materials		> 20 %
Appearance		Transparent yellow to cloudy white

The concept of sustainability is influencing thoughts and actions in every area of life. More and more, consumers are opting for environmentally friendly products. This applies in particular to the textile industry, where the trend is increasingly to replace previously common materials with bio-based solutions.

Adhesive plays a special role, as it must meet the highest demands for each application, which until now has only been possible with products based on fossil raw materials. This adhesive can be processed as usual, just like conventional products. More than 20 % of **Jowatherm-Reaktant®**

GROW 631.20 is made up of bio-based materials, which will be documented and regularly verified by independent institutes.

Due to the proportion of renewable raw materials, this adhesive is recommended for companies that want to gradually reduce the use of fossil-based materials, actively contributing to environmental protection.

Jowatherm-Reaktant® GROW – Sustainability in holistic terms!

- As opposed to a mass balance procedure, our suppliers ensure that this adhesive actually contains renewable raw materials.
- The proportion of bio-based carbon is verified using the 14C method.
- The hot melt adhesive is produced at the Jowat plant in Detmold - Germany, which is certified according to ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and ISO 9001 (Quality Management).
- Of course, the adhesive meets the ECO Passport requirements for the production of certified products in accordance with OEKO-TEX 100.

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.