

# Jowat Green Adhesives



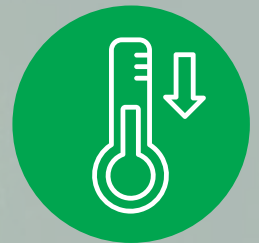
Renewable  
Raw Materials



Healthy Living



Occupational  
Health and Safety



Resource  
Conservation

See the Big Picture.

The Sustainable Bonding Solutions from Jowat.

Sustainability is widely understood to focus on the protection of the environment and the conservation of finite resources. However, sustainability involves a lot more and also extends to health aspects and the optimization of processes. Green Adhesives have a positive effect on all these parameters in the bonding process.

For many years, Jowat has been developing solutions that minimize the impact on the environment, processors and consumers and thereby facilitate “greener” bonding processes. The name Green Adhesives marks our solutions for bonding processes that are responsible and efficient and that safeguard the environment and health.



## Renewable raw materials

Fossil raw materials are finite. At the same time, many adhesives are ultimately based on petroleum or natural gas. We develop products based on renewable raw materials to reduce the dependence on petroleum-based resources and to help protect the environment. Raw materials from renewable resources that do not compete with the production of food or feedstock are used as a matter of course in the biobased adhesives of our GROW range. Naturally, we also use recycled materials where feasible and sensible.



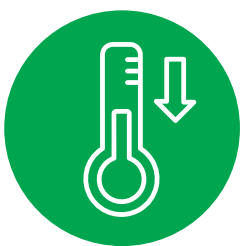
## Healthy living

In recent years, healthy living conditions have become a main focus for buildings and interior finishing products, but also for the mobile interiors in cars and caravans. The right adhesive choice contributes significantly to the safety of the consumer and therefore makes the purchase decision much easier. Emission-reduced adhesives minimize the release of harmful ingredients such as formaldehyde, plasticizers and other potentially hazardous substances. These modern products support the manufacturing of long-lasting and low-pollutant products.



## Occupational health and safety

Since the early 2000s, Jowat has successfully been developing alternative PUR hot melt adhesives that are not subject to GHS labeling. These monomer-reduced (MR) adhesives with a low content of free diisocyanate monomers are available for the manufacturing of a wide range of different types of products. Processors are being protected and do not have to undergo additional training prior to use. Adhesives with a high solids content and therefore a low solvents content facilitate not only minimized emissions but also significantly reduce the fire hazard.



## Resource conservation

Be it to save energy or to reduce the use of materials for more efficiency in general—our portfolio provides different solutions that facilitate optimized adhesive applications in terms of energy and consumption. High-yield hot melt adhesives free of fillers and aggregates facilitate reliable bonding with low application amounts. Low-temperature hot melt adhesives can be processed at significantly lower temperatures and reduce the energy consumption of the company.