



Raw materials for your adhesive

We would like to be your new partner for your adhesive project. As experts in the production of binders and additives, we can offer you not only standard but also customised products. We develop additives, binders and other important chemical raw materials that are used in a wide range of industries.

We would also like to make our expertise in the area of sustainability available to you. In addition to the resources and raw materials used, other aspects of sustainability also play an important role in the development of sustainable products and systems. Social, societal and economic aspects as well as transport routes are just some of the factors to be considered.

Who are we?

Worlée-Chemie has been a family-run company with a long tradition since it was founded in 1851 and, in addition to its many years of product and market experience, also boasts a global presence.

Our range of in-house products is complemented by trade products from well-known international partners. We also offer you reliable transport and logistics processes.



Refinement of raw materials



Production of raw materials



Trade and distribution



Product and application technology

That's what sets us apart:

- Decades of experience in the trade and production of raw materials
- Technical application service and customised product development
- Strong commitment to climate and environmental protection
- UN Global Compact, Chemie3, climate protection company, EcoVadis
- Responsible use of resources
- Responsible behaviour and sustainable development
- Experienced employees with specialist expertise
- Field service with technical expertise

Application laboratories and R&D in Lauenburg and Lübeck:

- Customer projects
- Tests for suppliers
- Development of practical guide formulations
- Tracking down trends
- Customised product solutions according to customer requirements
- Technical customer service





Our technological capabilities

We have been developing sustainable products for a very long time. Even without legal or social pressure, we have always endeavoured to offer better and more durable products and solutions for a wide range of applications. The development of high-quality products in co-operation with our customers remains our main focus.

Opportunities for sustainable raw materials

The focus on sustainable product development has been with us for many years, so it is important to us to constantly develop our products further. With renewable raw materials from sustainable cultivation, it is possible to meet the future demand for binders in the paint and varnish industry without harming the environment. Some of our products are made from up to 97% renewable raw materials.

The use of camelina oil as a sustainable alternative raw material in alkyd resins also plays an important role - a sustainable value chain can succeed on this basis with the domestic agricultural industry, an optimised supply and recycling chain and know-how.

With our many years of experience as a manufacturer of binders and additives, we can offer you the following technologies for the production of the raw materials you require for your adhesive formulation:

Technology	Modification	Resin	Release form
Polymerisation	Acrylics (of polycondensates)	Acrylates	Aqueous, solvent-based, reactive thinner
Polycondensation	Also as a precursor for acrylation, PU modification, emulsification, silane crosslinking	Polyester, polyester diols	100%, solvent-based, aqueous (with/without cosolvent)
Polyaddition	Amine adducts	Epoxy hardener	
Polyurethane	Dispersions, hybrid systems	PUD, PUR Si	Aqueous, solvent-based, with reactive thinner

Needs-orientated product development

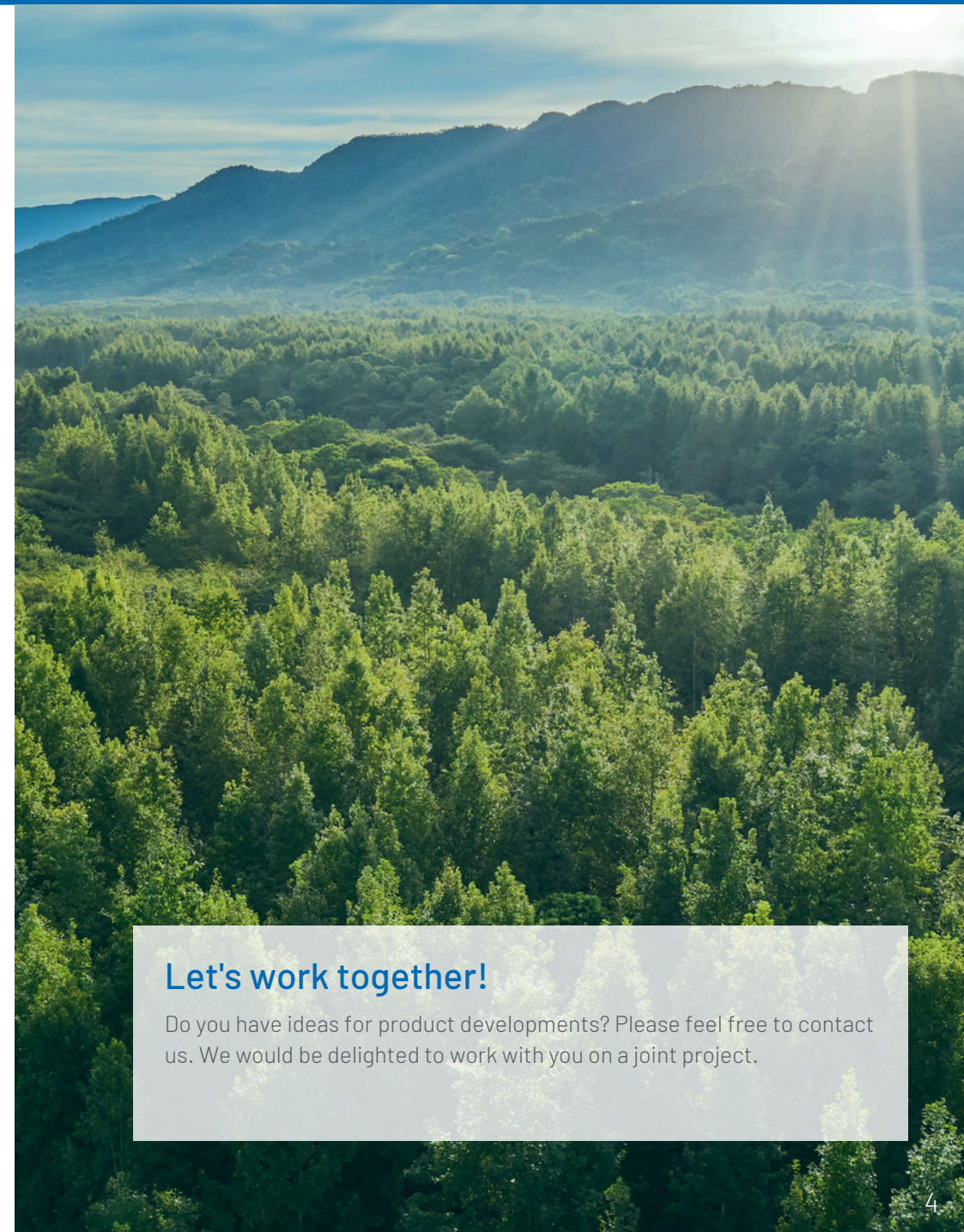
Over the decades, we have gained a great deal of experience in developing different resin technologies based on a wide range of raw materials in order to make products more sustainable from various perspectives. Sustainable product development must ultimately benefit the environment and society, but also take economic aspects into account.

The entire supply chain must benefit from this. We are already able to take many of these aspects into account in our proven developments and make our products ever more sustainable. For example, we can determine factors such as the proportion of renewable and regenerative raw materials, the proportion of secondary raw materials, regionality and longevity, the hazard potential of our products and the competition between our raw materials and the food industry. Technologically, we are well positioned with our creative departments in research, development and application technology to continue orientating ourselves towards sustainable products in cooperation with our customers and partners. Every new development is linked to sustainability factors such as climate change and resource conservation.

In addition, an interdisciplinary team has come together at Worlée-Chemie to promote and advance sustainable product developments even more strongly and at the same time optimise their presentation. The various sustainability aspects of our products are being considered, promoted and improved even more intensively than before along the entire value chain.

"We are trying to use our existing technologies to develop sustainable products and also to establish new technologies. We are focussed on projects with customers and want to develop more sustainable products with them and other partners."

Lars Ossenschmidt, Head of Innovation, Application Technology and Research & Development Worlée-Chemie



Let's work together!

Do you have ideas for product developments? Please feel free to contact us. We would be delighted to work with you on a joint project.

Our corporate values, according to which we act

Since the company was founded in 1851, the principle of sustainability with its three core themes of economy, ecology and social responsibility has been at the centre of our corporate philosophy. As a family business, Worlée-Chemie is committed to social responsibility and fair treatment of business partners and employees.

We are committed to forward-looking and prudent environmental protection and to preventive and comprehensive occupational health and safety as a corporate objective. We are convinced that the natural resources of water, air and soil must be treated with care as part of our responsible behaviour. In this way, the ecosystem of which we are a part can be preserved as the basis of our living conditions for future generations. This also applies in particular to the economical and efficient use of energy and natural resources.

We recognise our responsibility for safety during production, storage and transport. We ensure that our products are handled conscientiously along the entire value chain.

Compliance with human rights due diligence is part of our company's self-image. Integrity, fairness, responsibility and a high degree of transparency form the basis for a trusting and long-term business relationship. We expect our suppliers to adhere to these principles further down the supply chain and to recognise our Supplier Code of Conduct or submit an equivalent guideline.



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