



CHEMICAL RAW MATERIALS

WORLÉE[®]

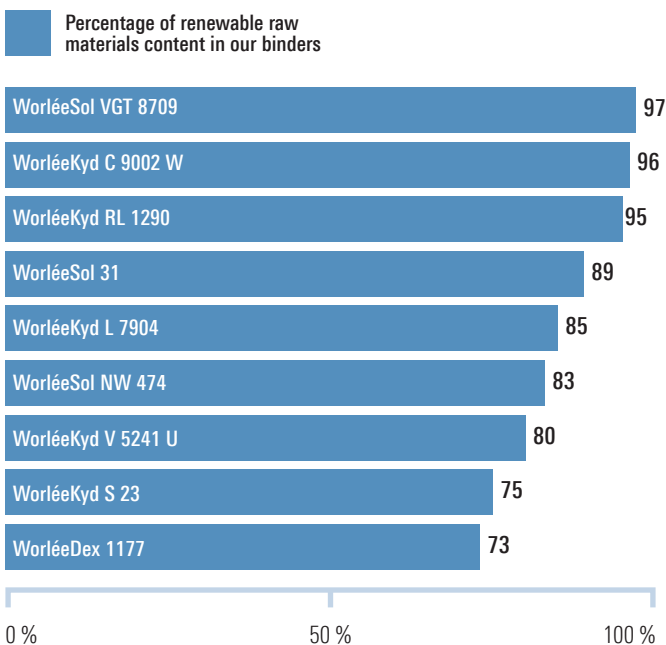
seit 1851

Renewable raw materials for
the paint and coatings industry



Nature's chemistry

Bright sunshine and a field full of yellow sunflowers. Who would think about chemistry with this picture in mind? But no matter where you look: chemical processes take place everywhere in nature. At Worlée we believe that we have to use these natural resources. With renewable raw materials from sustainable cultivation it is possible to cover the paint and coatings industry's future needs for binders without affecting the environment. Some of our products are made of up to 97 % renewable raw materials. And we are constantly working on continuing this path.



Water-based alkyd resins

WorléeSol VGT 8709

With **97 % renewable raw materials content**, the new binder WorléeSol VGT 8709 is especially **environmentally friendly** and is receiving top marks in the Worlée portfolio. The solvent-free, medium oil, specially modified alkyd emulsion is used in water-thinnable decorative and architectural paints as well as interior wall paints and wood stains with **good hardness development**.

WorléeSol NW 474

This long oil modified, amine- and co-solvent free alkyd emulsion is ideally suitable for the manufacturing of wood care products (e.g. teak and bangkirai) and wood protecting stains.

WorléeSol 31

This water soluble, modified linseed oil can be used for the manufacturing of wood protecting stains, wood care oils and impregnations with **excellent penetration**.

Water-thinnable alkyd resin

WorléeKyd C 9002 W

When the development of odours is undesired: WorléeKyd C 9002 W is a medium oil alkyd resin, which is especially suitable for the manufacturing of aqueous interior wall paints and which, in comparison to other alkyd resins, is almost **odourless**. In formulations it shows **high filling properties** and **hiding power**, **good elasticity** and **very good processing properties**.



Solventless alkyd resins

WorléeKyd RL 1290

WorléeKyd RL 1290 is an **extremely low viscous** alkyd resin. It is especially suitable for the manufacturing of low VOC and VOC-free 1k and 2k parquet-, terrace- and maintenance oils as well as wood stains and varnishes. It shows **very good penetration, permanent elasticity** and **weather resistance**. By addition of 10 - 30% Tolonate HDT-LV (Vencorex) **good drying** and **highly durable systems** in the range of parquet and terrace oils can be achieved. In such 2k-systems WorléeKyd VP RL 1290 has long processing times (pot life).

WorléeKyd L 7904

A **very low viscosity** alkyd resin for **extreme weather conditions**. WorléeKyd L 7904 is particularly suitable for the manufacturing of high solid glazings, clear lacquers and high solid anticorrosion primers. It distinguishes itself through **excellent permanent elasticity** and **extremely good weather resistance**.

WorléeKyd V 5241 U

Due to the urethanisation, **fast drying** and **good hardness development** are achievable with this long oil alkyd resin. The **low viscosity** allows the formulation of impregnations, glazings, wood care oils and wood paints with reduced solvent content.

WorléeKyd S 23

This alkyd resin is soya oil based. It can also be used as co-binder in conventional offset printing inks.

Water-based acrylic resin

WorléeDex 1177

With this water based patented copolymer based on renewable raw materials (starch), fast drying, high gloss printing inks and overprint varnishes with **good resolubility** can be formulated. Due to its **good compatibility** with many resins and pigments, it is also a suitable combination partner for other water based acrylic resins. WorléeDex 1177 is **free of amines, ammonia** and **glycol ethers**.



Areas of application

Product	Wall Paints	Wood Stains	Woodcare Oils	Parquet Oils & Varnishes	Decorative Paints	Printing Inks	Overprint Varnishes
WorléeSol VGT 8709	■	■			■		
WorléeKyd C 9002 W	■						
WorléeKyd RL 1290		■	■	■			
WorléeSol 31		■	■				
WorléeKyd L 7904		■	■				
WorléeSol NW 474		■	■				
WorléeKyd V 5241 U		■	■	■			
WorléeKyd S 23						■	
WorléeDex 1177						■	■

Worlée-Chemie GmbH

Grusonstraße 22
D-22113 Hamburg
Germany



Water-based alkyd resins

Thijs Neuteboom
Phone: +49 4153 596 4830
E-mail: TNeuteboom@worlee.de

Solventless alkyd resins

Lars Ossenschmidt
Phone: +49 4153 596 4813
E-mail: LOssenschmidt@worlee.de

Painting ink resins

Christian Gießmann
Phone: +49 4153 596 4825
E-mail: CGiessmann@worlee.de

www.worlee.com

The information contained in this flyer serves exclusively informational purposes. Any deliveries and/or services are exclusively subject to our general standard terms and conditions in their respectively valid version. We will be happy to provide you with the general standard terms and conditions upon your request and they can be downloaded online at <http://www.worlee.de/GSTC>.

