



wevo

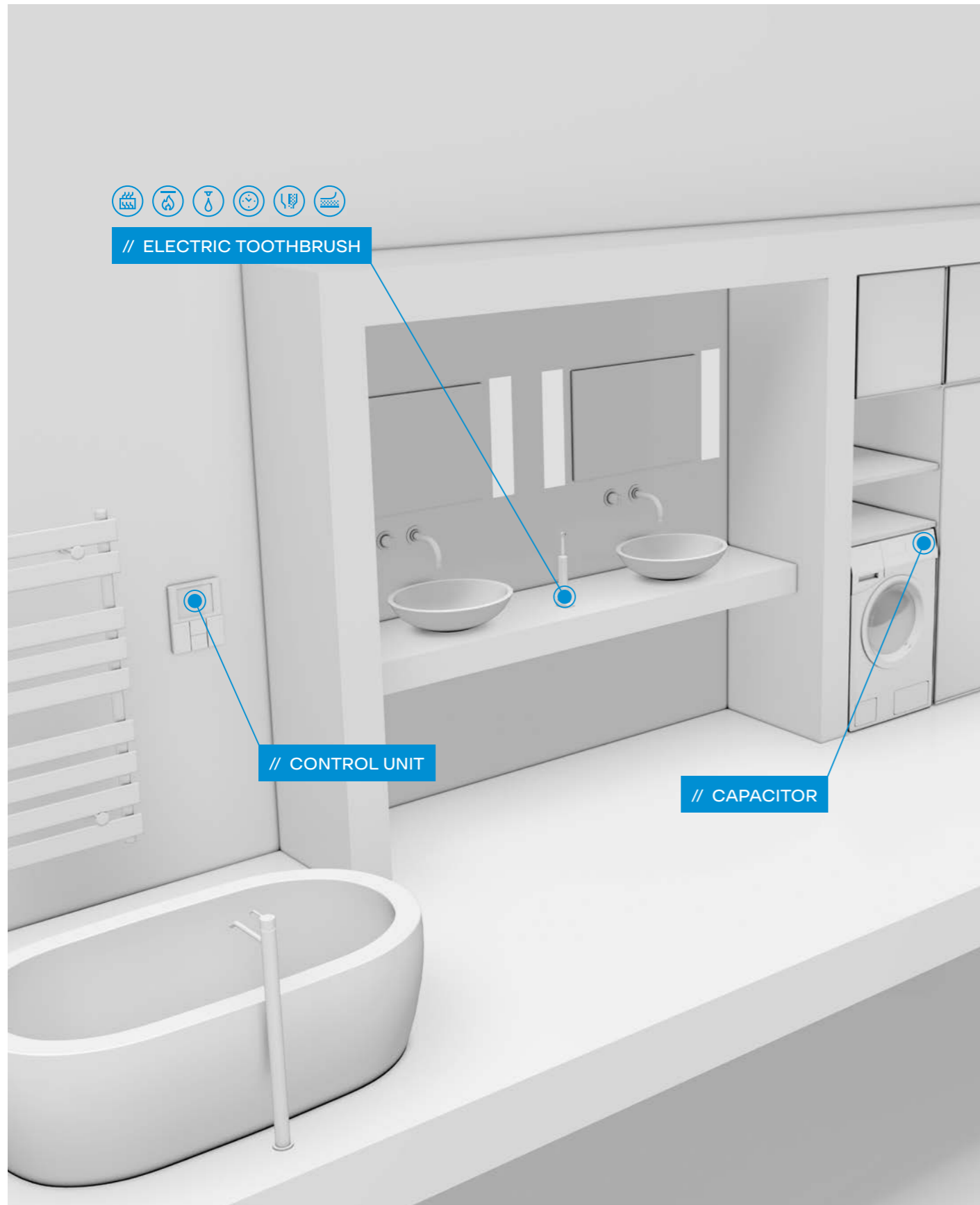
WEVO RESIN SOLUTIONS HOME



WEVO MAKES HOMES SAFER AND SMARTER

Household appliances in the kitchen and bathroom, tools in the garden, LED lamps in the living room, meters in the basement – everywhere you look, electrical and electronic devices make our lives easier and more convenient. But to ensure smooth and safe operation they need to be protected from physical hazards such as moisture or fire, as well as from improper use and counterfeiting. Wevo offers an extensive portfolio of products for casting, bonding and sealing, along with matching expertise, to ensure that everything in and about the home is safe.

Our tailored casting and adhesive solutions for housing and households are at home everywhere. Wevo works – in every detail.



WEVO WORKS – IN HOUSEHOLD APPLIANCES AND BODY CARE

Household appliances in the kitchen and bathroom do not have an easy life. To enable them to provide reliable service for many years, their electronic components have to be protected against vibration and moisture. Effective insulation is also necessary to protect users from electrical shocks and fire hazards.

By making appliances more reliable and durable in everyday use, Wevo casting, bonding and sealing systems provide reliable protection day after day.

Wevo casting resins insulate electric toothbrushes, make them safe, and are resistant to vibrations and moisture.



ELECTRIC TOOTHBRUSH

Electric toothbrushes are easier to use and clean teeth better. Wevo casting resins keep them safe. Since electric toothbrushes are constantly exposed to moisture, reliable protection is extremely important. Otherwise, electrical arcing could endanger the user or damage the sensitive charging circuitry. The outstanding flame retardancy of Wevo casting systems also reduces the risk of fire.

WEVO PRODUCT FEATURES

- Flame retardancy compliant with UL 94 V-0
- Good adhesion to housings
- High resistance to hydrolysis
- Low moisture absorption
- Effective protection against foreign bodies
- Outstanding vibration strength

WEVO WORKS – IN LIGHTING

LED DRIVER

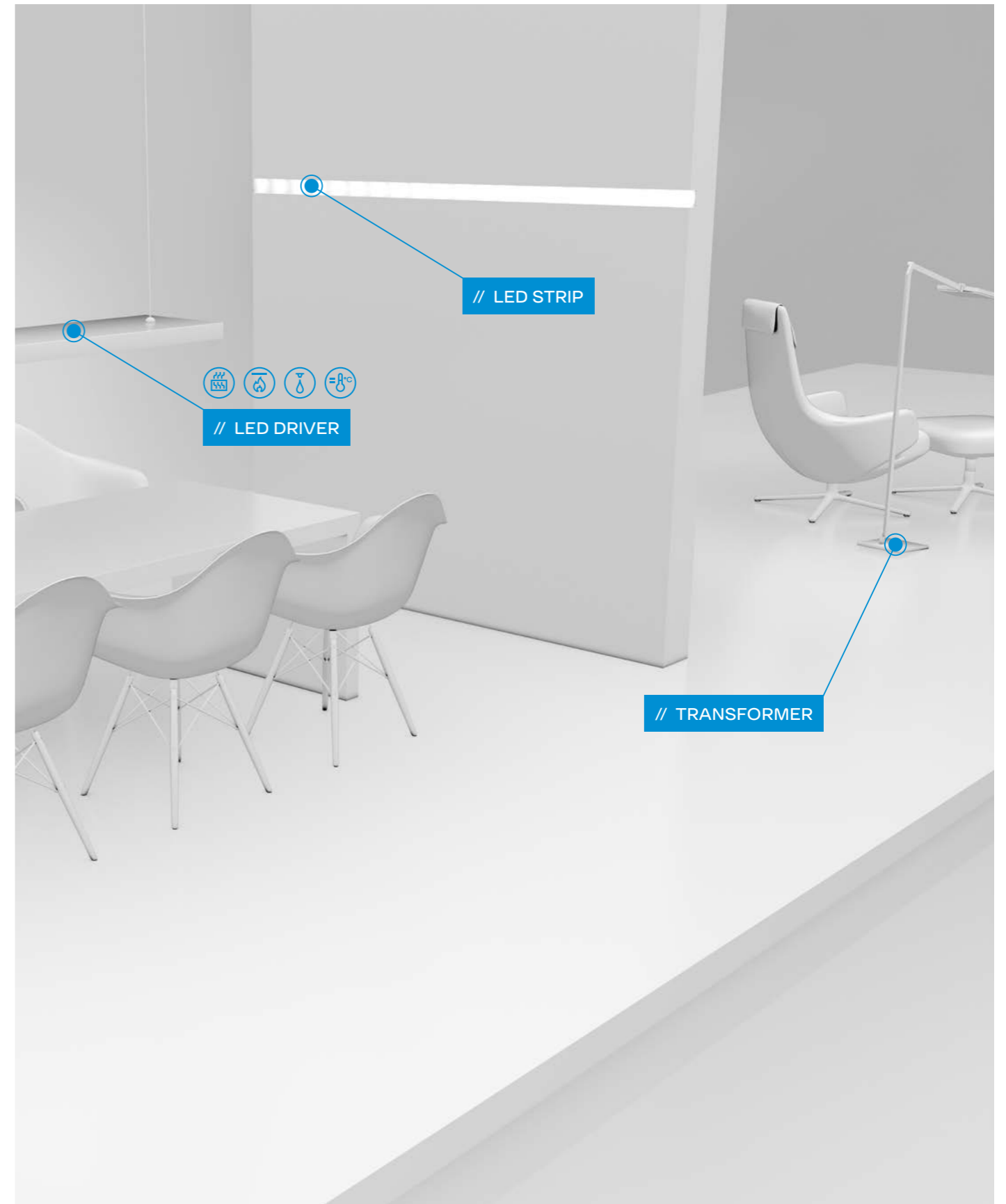
LEDs are low-voltage lamps that need a constant current for optimal performance. They are thus fitted with LED drivers that provide the right voltage and control the current, which LEDs cannot do by themselves. Good driver insulation is vital for proper operation. Wevo casting resins provide waterproof sealing to protect drivers used outdoors, such as in street lights. Their thermal properties and resistance to fire also protect components in all driver types from thermal loads and malfunctions.

WEVO PRODUCT FEATURES

- Flame-resistance compliance with UL 94 V-0
- Good flow characteristics
- Wide choice of colours
- No yellowing
- Good adhesion
- Resistant to hydrolysis
- Water repellent
- Free from volatile organic compounds
- Effective protection against foreign bodies
- Good weathering and UV resistance
- Outstanding oil resistance
- Very good thermal shock characteristics

Modern designer lighting fixtures need innovative casting compounds to boost their energy efficiency, power density and service life. In LED lamps Wevo transparent casting compounds are used to protect the LEDs against mechanical damage and other environmental factors while ensuring optimal light quality. They also protect drivers against dielectric breakdown indoors, and against the weather and UV radiation outdoors – year in, year out.

Casting resins from Wevo in LED drivers protect LEDs from voltage damage.





WEVO WORKS – IN SANITARY AND HVAC INSTALLATIONS

Water, electricity, gas and district heating meters ensure efficient, trouble-free use of water and energy in our homes. Custom-designed casting compounds are key to the development of modern meters. Optimal adhesion to the meter housing is essential to prevent penetration by moisture or foreign bodies in harsh environments, while excellent flow characteristics are vital to ensure trouble-free casting in meters with complex geometries. Casting compounds also shield valuable electronic intellectual property from prying eyes and counterfeiting.

Wevo casting, bonding and sealing systems ensure lasting meter accuracy and durability in millions of households.



In electricity meters casting resins with good adhesive qualities, flame resistance and low viscosity are required.

METER

The precision instrumentation and smart systems of modern water, electricity and gas meters enable end-users' electricity consumption to be read and calculated more easily and accurately via the grid infrastructure. Wevo casting compounds reliably protect sensitive circuitry and wireless modules in the meters against environmental conditions. Their flame-retardant properties provide reliable fire protection without blocking wireless signals.

WEVO PRODUCT FEATURES

- Flame retardancy compliant with UL 94 V-0
- Transparent to radio waves
- Good flow characteristics
- Outstanding adhesion to thermoplastic plastic and metallic housings
- Resistant to hydrolysis
- Effective protection against foreign bodies
- Configurable hardness

PRODUCT GROUPS

Wevo develops tailored polyurethane, epoxy and silicone casting and adhesive resins for electrical and electronic components in a wide range of industries.



WEVOPUR

VERSATILE POLYURETHANE SYSTEMS

Our Wevopur products feature flexibly adjustable reactivity and flow characteristics. Their good adhesion to a wide range of substrates guarantees reliable bonding and permanent protection of electronic components from aggressive ambient conditions. With a high thermal resistance of up to 165°C, flame-retardant properties in accordance with UL 94 V-0 and a wide range of mechanical properties, Wevopur systems are ideally suited for demanding applications in all areas. Adjustable thermal conductivity and, if required, high UV stability also enable use in various electronic and LED applications.



WEVOPOX

CUSTOMISABLE EPOXY SYSTEMS

Our Wevopox products are ideal for applications requiring high mechanical strength, good resistance to a wide variety of media and an operating temperature range up to 180°C. They have an exceptionally flexible properties profile, including UL 94 flame-resistance compliance and special adhesive properties. Epoxy resins offer distinct handling advantages and are highly resistant to external influences. They also have good impregnation characteristics thanks to their flexible application and curing conditions. Some of these systems can also be used in the food industry. Cycloaliphatic systems are additionally suitable for outdoor use.



WEVOSIL

HIGH-PERFORMANCE SILICONE SYSTEMS

Our Wevosil products are used in all applications requiring a wide operating temperature range and high elasticity. Along with high thermal conductivity, this makes Wevosil ideal for thermal management applications and targeted heat removal from modules. Some Wevosil products are flame resistant and have UL 94 approval. Their good adaptability for process and curing time makes a high degree of flexibility in production processes possible. Very good compressibility also makes them suitable for use in mechanically demanding applications.

INDUSTRY SOLUTIONS

Our customized resin systems for electrical and electronic components have become indispensable in the automotive, energy, household and industrial sectors.



AUTOMOTIVE

WEVO MAKES PROGRESS TANGIBLE

The automotive industry is a major driver of technological progress. Modern vehicles are equipped with many technological innovations and additional functions, which is why they contain highly sensitive electronic components that need to be protected from heat, moisture, oil, chemicals, foreign particles and vibrations. Many international vehicle manufacturers and their suppliers rely on Wevo casting, bonding and sealing resins to perform these tasks.



ENERGY

WEVO LETS THE ENERGY FLOW

Plants for generating, transporting and storing electricity from conventional and renewable resources are often exposed to harsh environmental conditions. Wevo casting compounds and adhesives protect and insulate electrical and electronic components, including transformers, chokes and capacitors, and ensure uniform heat removal from parts.



ENGINEERING

WEVO SAFEGUARDS INDUSTRIAL INNOVATION

Since industry entered the electronic age, many components have become smaller and more accurate, but also more complex and sensitive. In addition, electronic components are often deployed in very harsh environments, such as engines and control devices. Wevo casting compounds provide reliable protection in these environments and ensure unimpaired functionality.

UNCOMPROMISING QUALITY – MEETING THE CHALLENGES OF TODAY’S AND TOMORROW’S WORLD

Wevo is an independent family-owned company with an international presence. Founded in 1945, we have launched numerous widely used innovations in recent decades. We are specialists in casting, bonding and sealing.

Wevo stands for uncompromising quality and maximum safety. Our tailored casting resins for electrical and electronic components have become indispensable in the industrial, energy, household and automotive sectors.

With our custom products and services, continuous product development and regular transfer of know-how, we create tailored solutions to meet the challenges of today’s and tomorrow’s world.

EXPERTISE

The basis of our success are our customized solutions, uncompromising quality and pace-setting innovations.



SERVICE

We are proud of the fact that we can offer our customers service solutions tailored to their specific needs. Starting with customer-specific polyurethane, epoxy and silicone systems, our service offering also encompasses first-class technical advice as well as outstanding logistics. Customers in over 50 countries of the world value our expertise – and know that we either have an immediate solution at hand or will develop a customised product to meet their individual needs.



INNOVATION

Innovation is at the heart of our tradition. For us, any idea that cannot be broadly implemented as a practical solution is not an innovation. That has been our guiding principle for decades. We apply sound know-how and new ideas to create solutions for the rapidly developing electrical and electronic market. And in this way we also support our customers in improving their own performance.



QUALITY

Top performance and first-class products have always been our most important benchmark. We accept no compromises. The quality and reliability that have always characterised our company made our outstanding market position possible. We enjoy long-term business relationships with numerous international corporations and our partner companies come from a wide variety of industries, ranging from automotive and machine tools to solar energy.



KNOW-HOW TRANSFER

At Wevo technical and chemical experience goes hand in hand with the know-how gained from practical applications. We cultivate a proactive transfer of know-how. We advise our customers individually and conduct annual seminars to instruct them on how best to use our casting systems. Over 1,500 customers have already participated in our training courses and seminars.



WE ARE MUCH MORE THAN A SUPPLIER

From development to volume production – we offer customer support every step along the way.



WE PIONEER PROGRESS

We are a proven partner in project-driven innovation with a decades-long track record.



WE INITIATE INNOVATION

We develop new ideas for every area of electrical component bonding, casting and sealing.

The manner in which you use and the purpose to which you put and utilise our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information, in particular all technical data and assistance, is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorised and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No licence is implied or in fact granted under the claims of any patent.

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