

# Wound Care

## Secure, Gentle, Functional.

Lohmann formulate, manufacture, coat and die-cut adhesive solutions and have a long history of supplying component parts for Wound Care applications. By providing materials that satisfy the performance requirement of Wound Care applications, such as biocompatibility, sterilisable, high breathability, long-term wear and gentle removal, Lohmann has become a trusted partner. Whether a custom design or standard product, Lohmann can provide innovative products that are multi-functional, value engineered and fit-for-purpose.



### Anti-microbial

With a focus on healing patients quickly and effectively, it is important that wounds do not become infected or, if they do, that the spread of infection is prevented. Wound dressings incorporating anti-microbial additives are an option for the prevention and treatment of infected wounds. These anti-microbials can be formulated into the component parts of wound dressings, including the adhesive, and selected based on their particle size, strength and delivery method.

By combining its knowledge of materials chemistry and processing, Lohmann can support the development and scale-up of such technologies.

### Dry Dressings

Traditional dressings offer a cost effective functional solution for both hospital patients and out-patients, providing secure adhesion and absorption properties. Depending upon material selection they can offer additional functionality such as being shower-proof.

Lohmann is able to supply a varied selection of materials for this application including adhesive coated fabrics, non-wovens and films, as well as composite materials. Products can be provided die-cut to customers' design requirements or supplied in master rolls for down-stream conversion, packing and sterilisation.

### Negative Pressure Wound Therapy

Using NPWT to treat hard-to-heal wounds quickly and effectively can only be achieved through the use of component materials that provide a leak-free environment are conformable, easy to apply and can be removed after treatment without causing skin damage.

Lohmann has many years' experience manufacturing and supplying thin and flexible films with integrated delivery systems and which can be coated with a choice of adhesives ranging in thickness and adhesion levels.

### Moist Wound Healing

To aide faster wound healing and reduce the potential for scarring, it is best practice to ensure that the wound bed environment is kept moist but not saturated.

Through its knowledge of adhesive chemistry and coating capability, Lohmann can offer tailored material options designed to provide the optimum balance between liquid and gas transfer.

### Secondary Dressings

For applications where wound contact layers need to be securely held and protected from the ingress of water, bacteria or other foreign bodies, secondary dressings provide a solution. These dressings must be easy to apply, secure in use, conformable and easy to remove.

Using a combination of raw material, adhesive coating and die-cutting knowledge, Lohmann can provide product solutions that can be optimised for further processing steps or, as a finished product, are easy to handle, quick to apply and remain in place.



## Lohmann, The Bonding Engineers

### Integrated innovative solutions.

As a world-leader in the development, manufacture and supply of adhesive tape solutions, Lohmann is a trusted partner for the design, scale-up and commercialisation of your medical device.

Our "local for local" approach together with a fully integrated supply chain gives Lohmann a truly unique position and one which our customers appreciate as real added value to their business.

At Lohmann we have an in-depth knowledge and capability in many chemistry platforms, including Acrylic, Synthetic Rubber, Silicone, Cyanoacrylate, Epoxy and Polyurethane. Our experience in coating solvent, water-based, hot-melt and multi-component reactive systems ensures that we are never restricted in our ability to develop and deliver customers with the best solution for their application.

By choosing Lohmann as their partner our customers have access to a highly specialised, experienced and effective Medical team who together with the Lohmann organisation can offer:

- a dedicated project management team
- experience of sourcing, developing and processing high-value functional materials
- a broad die-cutting capability including roll-to-roll flat-bed, rotary, pick-and-place and laser-on-the-fly
- expert in-house testing equipment and test method development
- product development and validation processes tailored to customers requirements
- to supply small quantities to support scale-up
- robust, well documented, traceable and fully auditable processes in accordance with EN ISO 13485 Quality Management System.

We look forward to receiving your challenge!

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