See-through packaging
paper, non-woven and Tyvek®
Responsibility is our commitment!

The Vereinigte Papierwarenfabriken (VP) have been manufacturing packaging and indicators for industrial applications and hospital use under the brand name stericlin® since 1974. Today, stericlin® is one of the leading providers in this field. Our quality sets worldwide standards. We offer extensive expertise in everything from packaging design and validation to compliance assessment and training.

From safety experts for safety experts.

The quality of all stericlin® products is closely linked to ever increasing demands on hygiene and medical technology. This is the reason why all our products fulfil or exceed the requirements of both European and international standards. We secure and maintain this competitive edge with a development and applications department, a subsidiary for the development and production of indicators, comprehensive quality management processes and consistent process monitoring.

The stericlin® hospital range:
- See-through packaging
- Wrap packaging
- Batch Monitoring Systems (BMS)
- Process indicators
- Accessories

The stericlin® production facilities:
- The latest printing and coating systems
- The latest cutting and converting systems
- The latest laboratory equipment and analysis procedures
- Two ISO Class 8 clean rooms with 2,500 m² in accordance with DIN EN ISO 14644 standards, Part 1 and 3
- Manufacturing processes and materials in accordance with DIN EN ISO 11607 standards
- Seamless traceability
- In-process monitoring systems

The ideal packaging for your applications

The following overview shows the most significant characteristics and fields of application.

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<th>stericlin®see-through packaging</th>
<th>Sterilization suitability</th>
<th>Imprinted Indicators</th>
<th>Use</th>
<th>Sealing Temperature</th>
<th>Standards-compliance</th>
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<td>See-through packaging paper and film</td>
<td>STEAM, EO, FORM</td>
<td>STEAM, EO, FORM</td>
<td>All types of light and medium weight instruments and sets</td>
<td>170°-200°C</td>
<td>ISO 11607 1+2, EN 868-5</td>
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<tr>
<td>See-through packaging non-woven and film</td>
<td>STEAM, EO, FORM</td>
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<td>Particularly suitable for voluminous, heavy or porous sterile objects. Available as pouches or reels.</td>
<td>170°-200°C</td>
<td>ISO 11607 1+2, EN 868-5</td>
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<tr>
<td>See-through packaging Tyvek® and film</td>
<td>EO, FORM, plasma, irradiation</td>
<td>Plasma, EO</td>
<td>Thermolabile instruments and sets to be sterilised by plasma or gas (endoscopes)</td>
<td>120-130°C</td>
<td>ISO 11607 1+2, EN 868-5</td>
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</tbody>
</table>
See-through packaging paper and film

Applications: STEAM, EO, FORM – light to medium weight instruments

See-through pouches and reels are the universal packaging solution for sterilisation applications and are suitable for packaging almost all light and medium weight instruments and sets. The sterilisation proof 70 g/m² heavy-duty paper is an effective barrier against germs and bacteria, but permits the transmission of air, steam or sterilisation gases. The three indicators for STEAM-, EO- and FORM sterilisation are imprinted on the side seam.
This see-through packaging is made of 80g/m² non-woven bonded with composite film. Three indicators for STEAM-, EO- and FORM – sterilisation are imprinted outside the filling space. This system combines all the sterilisation advantages of packaging with non-woven fabrics with the handling benefits of see-through packaging. The extreme air and steam permeability enables use with bulky and porous objects. The mechanical stability is ideal for coping with heavy instruments.

Applications: STEAM, EO, FORM – heavy, voluminous and porous sterilisation objects
The quality of see-through packaging made from Tyvek® and film is decisively determined by the choice of materials. Stericlin® uses only the strongest medical-grade Tyvek®: Type 1073 B with 75 g/m². Outstanding barrier properties against germs, bacteria and moisture, extremely high resistance to penetration and fibre-free peeling are particular characteristics of this sterile barrier system.

Tyvek® is a non-woven polyethylene fabric manufactured by DuPont. Tyvek® is not suitable for steam sterilisation, but fully compatible with the requirements of plasma sterilisation and irradiation. This sterile barrier system is also the best choice for gas sterilisation, as Tyvek® hardly absorbs any gases and allows the achievement of residual toxic gas levels that are far below the approved maximum permissible values.
stericlin® – Medical technology “Made in Germany”

The entire manufacturing process is a multi-shift operation under clean room conditions. A highly qualified workforce and state-of-the-art equipment guarantee consistently high manufacturing quality in Europe. Stericlin® is the leading converter of medical grade papers, the largest supplier of packaging systems for wound care products and the leading supplier of sterile barrier systems and chemical indicators for Central Sterile Supply Departments (CSSD).

Quality and safety

All packaging products display complete standards-compliant coding and clearly printed colours and indicators. The superior barrier properties are a consequence of carefully selected materials and continuous quality assurance. Stericlin® employs only the highest quality materials as a matter of course, e.g. 70 g/m² paper. The decisive difference for safety experts.

Stericlin® Academy

Launched in the 1990s, the Stericlin® Academy is a respect-ed forum for the exchange of opinions and information for specialists in the fields of sterilisation and hygiene in hospitals and medical practitioners’ surgeries. This event, dedicated to professional advancement, is held several times each year at different locations. Visit our website at www.vp-group.de/stericlin to find the latest calendar of coming events.

Stericlin® – Responsibility is our commitment.

Standards and validation

Sterile barrier systems from Stericlin® fulfil the requirements of ISO 11607 and EN 868 standards, and their compliance with standards is monitored continuously by approved, independent laboratories. This, however, is not stipulated in the standards. This is a voluntary act on our own part. Stericlin® – Responsibility is our commitment.

Logistics

All Stericlin® products are dispatched directly from our warehouse facilities in Feuchtwangen. Quickly and efficiently, thanks to fully automated warehousing and order picking systems. This reduces your restocking times and the need for excessive stock on hand.

Sealing processes and checking

The bonding of the composite film with permeable materials such as paper, Tyvek® or non-woven fabrics is the key process in the manufacture of see-through packaging products. To ensure good peeling, the seal strength may not be too high, however, for optimum sterilisation, it may also not be too low. The precision of the seal strength is checked thousands of times every day in our laboratories. We would be pleased to do it for you too: Stericlin® seal strength testing is an important element in your process validation procedures.

See-through packaging from Stericlin® – unsurpassed in quality and performance

Sterile barrier systems (SBS) from Stericlin® are the result of decades of research and development by our safety experts. We have shaped the development of modern sterilisation solutions like no other manufacturer. Today, our SBS products are the benchmark standard for an entire industry. Quality you can trust without reservation. Stericlin® – Responsibility is our commitment.

Products

Our trademark is found on all see-through packaging products made in Feuchtwangen.

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Packaging solutions for industry

- 4SS Packaging
- FFS Packaging
- Manual Packaging

Chemical Indicators/
Bowie & Dick

- Batch Monitoring Systems (BMS)
- Bowie & Dick-Test Systems
- Process Indicators

System packaging for hospitals

- See-Through Packaging
- Wrap Packaging
- Accessories

Service

- Stericlin® Academy
- Validation
- Continuing Education