

## Chemicals

FIBCs that keep  
your chemicals safe



## Clean, safe and socially responsible



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## Leading packaging expert for full compliance with chemical industry demands

At Royal LC Packaging we fully understand the stringent requirements of the chemical industry's packaging needs regarding safety, quality and sustainability. With our chemical grade FIBCs we offer:

- Protection against external influences to:
  - preserve proper containment of the purity of your product
  - prevent chemical and physical damage
- Minimized hazardous risk during filling, transportation, storage and/or unloading your chemicals
- Packaging that helps you meet your sustainability goals

We offer tailor-made big bags for your specific needs. It is our key concern to work together with our customers to design, produce, test and deliver the FIBC conform their requirements.

Benefit from our leading expertise in chemical industry packaging.





# Our leading expertise in bulk packaging for the chemical industry

We have a proven track record in providing our excellent quality, safe and durable FIBCs to an extensive customer base in the chemical industry. Our goal is to contribute to high confidence in chemical safety by offering bulk packaging that complies to all required quality and safety regulations and offering our customers the best service from our packaging experts.



Leading  
in quality  
management



Innovative product  
design, tailored to  
your individual  
requirements



Cost reductions,  
operational efficiency  
and reduced  
environmental impact



Own FIBC  
production  
facilities



Anti-static / conductive  
FIBCs for safe (un)  
loading



Sustainability  
throughout  
the chain





## Leading in quality management

Quality is much more than the strength of our packaging: it is the complete package. With our dedicated quality department we assure all aspects of quality of our FIBCs, our manufacturing processes and our working conditions meet and exceed the industry demands. We comply with a comprehensive portfolio of required FIBC standards for the chemical industry, for example: ISO 21898, ADR/RID/IMDG-Code, 2009/148/EC and IEC 61340.

Our production facilities incorporate a list of stringent testing and safety inspection processes. We fully inspect each individual bag!

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## Own FIBC production facilities

Our own production facilities are accredited with all safety certificates and have state-of-the-art clean room facilities. We are continuously innovating our manufacturing to meet the highest safety standards available in the market.

Our ultimate goal: **"Eliminate the Last Particle"** by using advanced technologies, such as:

- Full migration testing of all materials used
- More effective cleaning with highly innovative processes:
  - Inside view technology during air washing
  - Vacuum outside cleaning technology
  - Ultrasonic spout hemming technology
- Class 10.000 liner extrusion
- Complete overpressure clean room
- 100% metal detection





## Innovative product design, tailored to your individual requirements

The increasing demand for packaging constantly drives Royal LC Packaging to search for new material combinations. We focus on creating high added value in our packaging solutions. With our excellent packaging barrier liners we protect your products better and help to avoid degradation processes:

- Premium material quality manufactured under clean room conditions and benchmark barrier properties
- Conductive aluminium liners
- Premium liner structures such as PE / PA / PE, L1, L2 as well as Aluminum
- Innovative formstable liner

We can produce every type of FIBC our customers ask for and use our expertise to make sure we deliver a packaging solution that fully meets your individual processes and technical specification demands. FIBC experts are available to conduct an on-site technical evaluation to help you achieve an optimal level of operational and cost efficiency.



## Anti-static / conductive FIBCs for safe (un)loading

As the build up of static electricity needs to be avoided at all times in a chemical environment we offer advanced Type C and Type D FIBCs to minimise the risk of electrostatic charges. We produce these FIBCs according to the IEC 61340-4-4 norm and they offer 100% safety during the filling and discharging in flammable gas, vapor or dust atmospheres. Based on the ATEX Dust zones 20-22 and the MIE (Minimal Ignition Energy) level of the product we can determine which FIBC classification meets your requirements.







## Cost reductions, operational efficiency and reduced environmental impact

In addition to chemical safety, we help companies improve their total cost structure and operational efficiency when using FIBCs. Through our latest developments in the in-house manufacturing our customers benefit from:

- Cordnet technology, for more safety for your employees in storage and warehousing
- Cordnet baffles, for higher Q bag/Q liner stability and excellent product flow during bag filling
- Highly stable FIBCs, which help to secure the load and protect your products
- Optimized load space, which helps to reduce transportation costs and limits CO<sub>2</sub> emission per bag
- Gambo packaging, protects against outside contamination and moisture

### **[European example] WorldBag: reuse to reduce**

With our WorldBag programme we collect used big bags from all over Europe, clean and repair them, and deliver them ready for reuse in pristine condition. With this closed-loop formula, WorldBag offers a unique, efficient, sustainable solution. WorldBag allows for reducing the number of new big bags needed by up to 40%, and a reduced environmental impact. WorldBag complies with EU directive 94/62/EG and is registered with NIWO and VIHB.

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## Sustainability throughout the chain

Our Ambition for 2030 is to contribute to a world without waste. We have set ourselves ambitious goals regarding three global issues where our company can make a major impact: Working poverty, Waste and pollution, and Climate change.

Some key elements of our sustainability approach:

- Membership of the UN Global Compact and EcoVadis
- Providing a safe and healthy working environment to our employees (ISO 45001, SA8000)
- Minimizing our impact on the environment by smarter use of raw materials, less transportation, and a reconditioning program for big bags in Europe
- Reinvestment of profits in our company for ongoing development of our production facilities and to create high-quality local jobs
- All our production partners need to sign our Global Supplier Code of conduct and provide proof of adherence
- Our LC Supports Foundation contributes to improving welfare and the environment in local communities





## Why LC



Committed

Reliable

Loyal

### Always near

With a strong international presence, dedicated local service and operations worldwide, we are always near.

### Since 1923

We have been growing and developing our business since 1923. We are your proven solid and reliable business partner.

### Own production

Our four production facilities allow us to run flexible, high quality production processes for your tailor-made packaging.

### Best people

Experienced and enthusiastic colleagues worldwide are working together to make your packaging solution a reality.

### Quality in packaging

We offer strong, durable packaging that is created amongst outstanding production circumstances with high quality materials and excellent service.

### Long-term partnerships

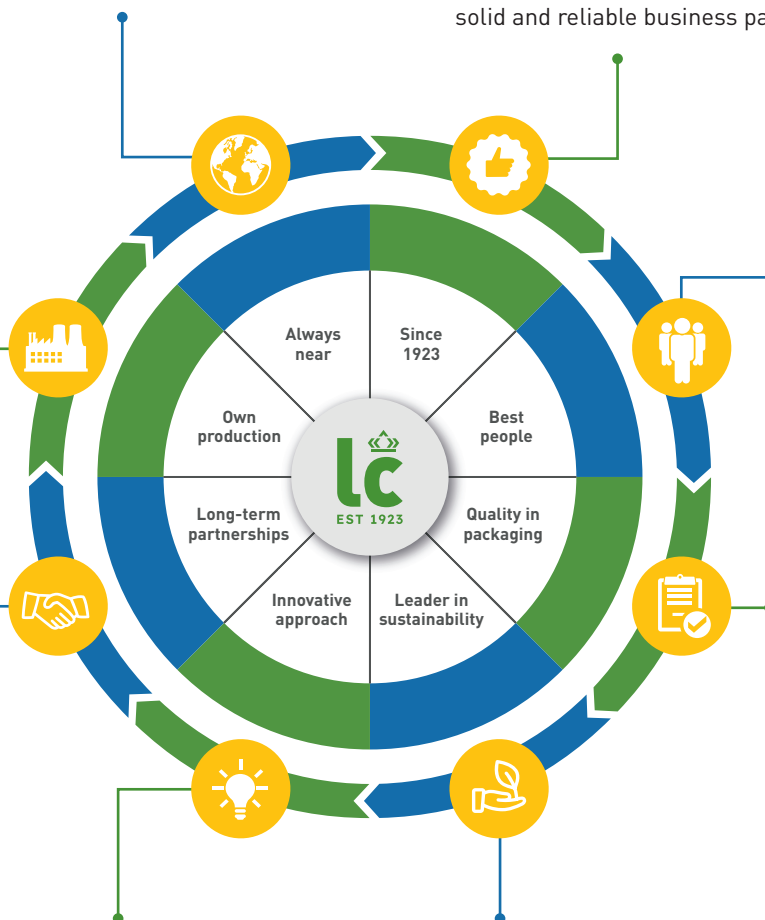
Our long-term partnerships increase efficiency and communication and help implement innovative and sustainable business processes.

### Innovative approach

Through strategic investments in business operations, product development and innovative projects, we pioneer the future.

### Leader in sustainability

With our 2030 Ambition we actively contribute to leaving a better world for future generations by mitigating Working poverty, Waste and pollution, and Climate change.



# supporting your products



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## Industries we serve



Additives



Adhesives / Resins



Coatings



Glass fibres



Granulates



Magnesium



Pigments



Polymers PE /PP/PVC



Other chemicals