

RKW ProVent®

4xfold Power for your packaging



Ultimate product protection
for powdery goods

Probably
the best
packaging
for powdery
goods

 **rkw**

Discover the next generation of the **RKW ProVent®** self-venting plastic sack

Functional, flexible, progressive – around 10 years ago, RKW developed the RKW ProVent® plastic sack and set a completely new industry standard for packaging powdery goods.

The RKW-Group was the world's first film manufacturer to develop a genuine alternative to conventional paper sacks. The innovation: An integrated venting system ensures that neither dirt nor dust nor moisture can penetrate from outside and that only air can escape from the inside.

With sales in excess of 250 million units, the RKW ProVent® System is one of the top solutions for the reliable packaging of powdery goods in the building materials, construction chemicals, chemical and food industries.

Over the years working with our clients, we have developed a range of models and variants that is unique in its diversity. Now, the next generation is available: The RKW ProVent® Advanced is setting another milestone with its fully integrated AirVent System 2.0. For the first time, an RKW ProVent® plastic sack offers a completely seam-free front that can be printed with up to 8 colors, thereby creating an absolutely homogeneous advertising surface.

You too can profit from the 4-fold power of the RKW ProVent® plastic sacks for powdery goods, and from reliable all-round product protection.

RKW ProVent® Advanced

The premium solution for the high demands of brand manufacturers. A new, fully integrated venting system now enables printing without compromises.

RKW ProVent® Classic

For more than 10 years the popular classic sack with the proven venting system. Available with superior printing quality. Over 250 millions sold.

RKW ProVent® Flex

Flexibility at its fullest: A continuous print image and a flexible venting concept enable different sack lengths in one production run.

RKW ProVent® Basic

Efficient product protection for the reduced budget. This reliable plastic sack can be printed with up to 4 colors.







High-performance add-ons (optional)



Seal+

Improved sealing seam
for highly contaminated
weld areas



Barrier+

Enhanced water barrier
for particularly hydrophilic
goods



Tight+

Additional longitudinal
seam to protect particularly
fine powder



Anti-Slip

Additional coating for
a particularly non-slip
surface



HIGH PERFORMANCE

All-round reliable product protection during transport and storage

The powerful RKW ProVent® packaging solutions

With the RKW ProVent® packaging system, your powdery goods are fully protected – not just while they are transported, but also during extended storage outdoors.

The RKW ProVent® range stands for high functional safety. All sacks are burst and tear proof and remain robust even when subjected to higher loads. The RKW ProVent® sacks are highly secure and they can even be used for hazardous goods classes II and III. Furthermore, a UV protection prevents the sacks from being damaged by solar radiation.

In addition, the intelligent venting system ensures that nothing can penetrate from outside: no dust, no dirt, no moisture – the RKW ProVent® sack even remains tight after several hours of immersion in a water bath. Conversely, the sack allows excess air pressure to escape but keeps even very finely-powdered goods safely inside.

Thanks to reliable all-round product protection and an effective moisture barrier, the minimum storage life of the bulk goods is significantly increased.

The AirVent System – a fully self-venting concept – prevents excess pressure and at the same time serves as a reliable barrier against moisture, dust and dirt.

Greater efficiency thanks to flexible storage options

Thanks to their high level of weather resistance, RKW ProVent® sacks can also be used to store your powdery products safely outdoors. This provides a cost-effective and easy method of expanding storage capacities. Even bulk goods that are particularly sensitive to moisture such as plaster or cement are safe outside.

High-performance features

- **Safe outdoor storage in all seasons**
- **Moisture protection 40 times greater than paper sacks**
- **Shock and tear-resistant packaging for safe transport and handling**
- **Also suitable for hazardous goods classes II and III**

Consistently user-friendly for manufacturers, dealers and consumers

Easy handling and reliability across all target groups

RKW ProVent® makes life easier – for manufacturers, converters, dealers and consumers. Thanks to the wide range of models and variants, RKW ProVent® sacks can easily be tailored to individual requirements.

The sack is compatible with the most varied machine configurations, thus streamlining the entire processing operation significantly. A cleaner filling process reduces contamination of the filling plant and minimizes loss of bulk goods.

Whereas up to 11 % of paper sacks are damaged during transport and handling, this problem is virtually eliminated with the RKW ProVent® sacks. The ability to stack pallets neatly in showrooms along with high-quality printing options and user-friendly handling mean that the product is also valued by consumers and is already the preferred choice in many markets.

Secure a competitive edge with the RKW ProVent® sack

In fiercely competitive markets, the user-friendly RKW ProVent® plastic sacks offer clear competitive advantages. The high-quality packaging sets itself apart from the competition and has a positive impact on the overall quality perception of the brand and the product.

It guarantees recognition, helps establish a preference and creates scope for premium prices and expansion of market share.

User-friendly features

- **Clean, safe and easy to handle**
- **Greater client satisfaction leads to stronger preference**
- **All-round high-quality prints ensure a consistent brand identity**
- **Enhanced recognition value**

User-friendly add-ons (optional)

Easy Reclosable

Allows opened sacks to be resealed

Easy Carry

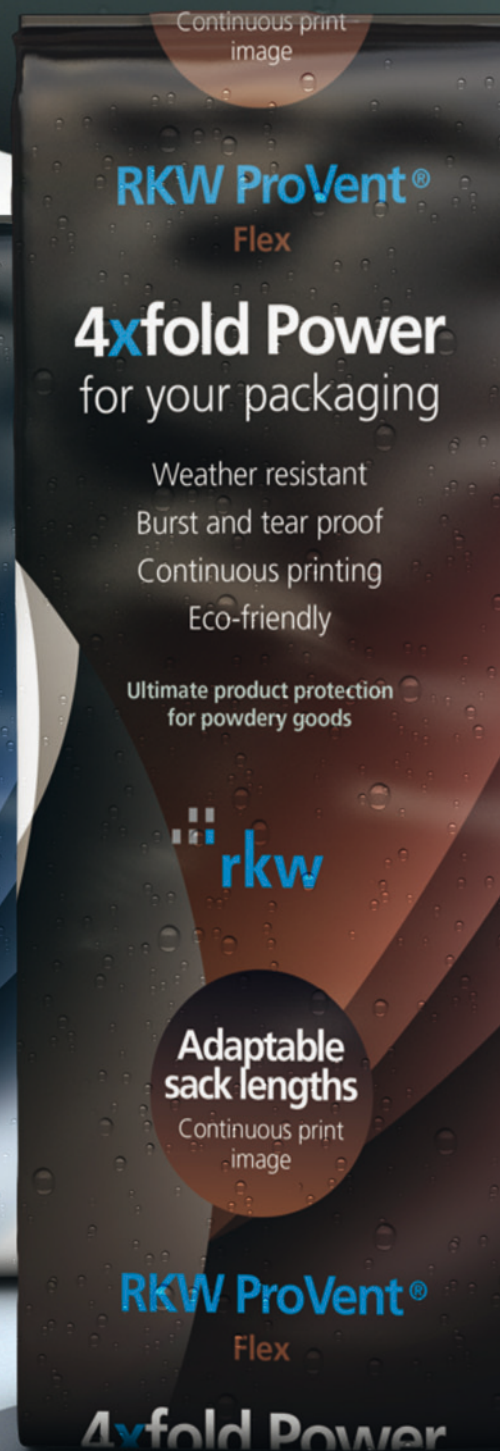
Integrated carrying handle for convenient transport

Easy Cut

Easy to open, even without a knife or scissors

8c flexo-print

High-quality printing for effective advertising messages





COST EFFICIENT

The contemporary packaging solution with an excellent cost efficiency

Utilizing potential savings and boosting sales volumes

RKW ProVent® is a cutting edge packaging system that is characterized by a high degree of economic efficiency – in terms of filling, use and recycling.

The entire RKW ProVent® product family features excellent machinability and high filling speeds. At the same time, easy handling reduces labor expenditure. Low dust emissions during the filling process reduce maintenance and cleaning costs significantly.

Reduced losses of bulk goods not only reduce re-stocking costs, but also keep down waste disposal costs. Fewer complaints regarding to sack damage and fewer returns of products whose sell-by dates have expired also have a positive impact on cost efficiency.

Extended minimum storage life helps cushion production peaks

When it comes to efficiency, the RKW ProVent® sack leads the way in every respect. In addition to realize potential cost savings, it provides an opportunity to boost sales volumes: Production peaks can be offset thanks to the significantly extended minimum storage life.

This helps avoid high peak-load production costs on the one hand and enables sales volumes to be increased on the other. This is particularly advantageous for seasonal goods, which are much easier to produce in advance thanks to the RKW ProVent® sack.

Your efficiency benefits

- **Significantly extended minimum storage life for bulk goods**
- **Up to 11% fewer packaging damages during transport and handling**
- **High filling performance of up to 2,000 bags per hour**
- **Sales and price advantages due to greater client acceptance**

Cost-effective add-ons (optional)



Downgauging

Thinner films for lower packaging costs



1c flexo-print

Cost-effective printing using one color

The RKW ProVent® products are up to 39 % more eco-friendly than conventional paper bags*

Sustainable use of raw materials and energy

Environmental protection and a sustainable way of life are of concern to us all. That is why we at RKW use raw materials and energy very consciously and economically. An eco-efficiency analysis by BASF* verifies that RKW ProVent® solutions are up to 39 % more environmentally friendly than paper bag solutions across the entire life cycle.

The production of RKW ProVent® films results in just 20 % of the wastewater and water pollution that would normally occur. Overall, the production process consumes 14 % less energy. As a result, the contribution to the greenhouse effect is permanently halved. Total CO₂ emissions from the production of RKW ProVent® plastic sacks are only half as high as those from paper sacks.

RKW ProVent® sacks are easier to recycle as only one material is used. It is hard to believe, but 1 ton of plastic consumes just 10 % of the energy required to recycle the equivalent volume of paper.

RKW ProVent® sacks make ecological and economic sense

In terms of energy consumption and emissions, RKW ProVent® sacks are the most environmentally compatible solution for packaging powdery goods. This not only affects the films themselves, but also the bulk goods that are frequently produced using energy-intensive processes. Significantly lower material losses during transport and handling mean that less material needs to be produced using these energy-intensive processes. A corresponding improvement in the energy balance is the result.

The RKW ProVent® sack strikes a balance between performance, cost-efficiency, and user-friendly design on the one hand and environmental protection on the other. This is only seldom achieved with this degree of consistency.

Sustainable features

- **Ecology and economics in balance**
- **Straightforward, cost-effective recycling**
- **Use of green polymers possible**
- **Less waste due to lower bulk good losses**

Eco-friendly add-ons (optional)

Recycled material

Film with recycled content

Green PE

Resin made of vegetable carbon

* BASF study: Eco-Efficiency Analysis Cement Packaging made of Polyethylene versus Paper and Biodegradable Polyester Alternatives, 2008

RKW ProVent®
Classic

4xfold Power for your packaging

Weather resistant
Burst and tear proof
Superior quality printing
Eco-friendly

Ultimate product protection
for powdery goods

The
original
250+ millions sold

 **rkW**

RKW ProVent®
Classic

RKW ProVent®

4xfold Power for your packaging

Secure and highly flexible packaging for powdery goods – with its RKW ProVent® System, the RKW-Group became the world's first film manufacturer to develop an effective alternative to the paper bag. Thanks to an intelligent venting system, this FFS solution opens up a completely new dimension in the packaging of powdery goods.

In comparison to the conventional paper sack, the innovative RKW ProVent® range brings together persuasive advantages for individuals, the economy and the environment. Excellent product features and continuous development have convinced both our customers as well as consumers. For more than 10 years.

Ultimate product protection for powdery goods



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