
Revolutionary system Double Lock conquered the world markets.

Here comes Double Lock!

The specialist from Plast Service Pack works for years on the creation of an ideal method of closing for the plastic containers. It turned out the effect is a hit and a success on an international scale. The dual locking system, which name is Double Lock, not only guarantees tightness of package but it protects them against uncontrolled opening. It is very important during the transportation, when the packages have thousands of kilometers and a lot of threatens to defeat, like deformation which are resulting of high temperatures or extreme conditions. What was the idea to start working on this solution? A perfect and dependable in using product. So it is the Double Lock closing system!

Monika Mikołajczak

The originators of the double locking system, the Double Lock are: in aspect of the project and design Konrad Rumiński – visionary, designer and owner of Plast Service Pack and in technical issues and execution – Szczepan Rutkowski - highly valued in industry engineer and director of production in Plast Service Pack. What is the innovation and uniqueness of this solution? After the application the lid allows easy to close the container and became very resistant against forces working on it. There were done tests during carrying a bucket with suction cup on an automatic line. The dynamically changing of the intensity of strength during lifting the bucket resulted with elastic deformation of the lid but the bucket was still closed. But after the remove of tamper evident, which protect the bucket for unauthorized opening, the customer can easy open the bucket. "The mechanism we create, protection the lid on a bucket is a milestone in design of injection-molded plastic package. We are sure that used by us construction solution are breakthrough in production of package." said Konrad Rumiński. Through using double locking system the bucket earns a new dimension. Which one?



Tightness is very important, but also protection against opening in extreme conditions, especially when the package must defeat a long route. Double Lock system guarantees this both for food products, especially heat bottled fruit and vegetable products, and chemical products, especially paint, which cannot dry.

More resistant

Through innovative design solutions the crone of packing was reinforced, and new double lock guarantees that the bucket is tight and resistant for force and hitting. All this confirms rigorous tests which were tasted the Double lock. Two different international chemical companies producing paints ordered independent tests and trials. Buckets with the Double lock were tested on shakers and mixers, and on automatic bottling lines, during storage and transportation. In the last case the bucket was with premeditation so arrange on a pallet that the crone almost touch each other. On the end they were foiled with very strong visibly. After two moths daily trips none of the buckets was open! This test devoted most of the time because from past experience of the manufacturer that the opening of the bucket during transportation was the biggest problem for users.

"The opinion about the new solution the Double Lock is based on our twenty years experience in designing and manufacturing of packaging. This opinion is based on tests made by us and by independent research unit. This studies confirm our assumptions concerning the Double Lock" – concludes Konrad Rumiński.

A package with Double Lock system is:

- A guarantee of thingness and safety for the contents, what is very important for example for food product (fruit – vegetable's products) or for paint products;
- High level of airtightness makes that the paint does not dry;
- Better resistance against accidentally opening in transporting and storing, what means significant saving in distribution and logistics;
- Faster and easier closing process of the buckets what influence increase productivity;
- Easier opening of the package but the safety of the product stored therein is better what means that the Double Lock system is user-friendly.

Who?

Thanks to the above properties, the new package with Double Lock system are dedicated to fruit and vegetables heat flooded, and also for chemical products especially paints. In the last case the tightness guarantee assures that the paint does not dry out, before this was a big problem.

Additionally better resistance against accidentally opening during transport and in storage, means significant savings in distribution and logistics. In turn faster and easy closing process of the package has a positive influence on better productivity and on user's satisfaction.



One of the authors of the Double Lock System is Szczepan Rutkowski - highly valued in industry engineer and director of production in Plast Service Pack.

Art not only for art's sake

It is not difficult to produce one bucket with Double Lock system, but do this that in continuous production the bucket still stays the same and every time has the best possible quality. It is a challenge but we made this. "As always, because our main challenge in production is QUALITY, which also explains the fact that in last year we have no claims concerning quality of our products." says Konrad Rumiński.

The interesting of global concerns for this new, revolutionary solution means that the patented closure system Double Lock is this what the market expect.

