

emballator

PACKAGING SOLUTIONS FOR FUTURE GENERATIONS

UN-certified metal packaging



UN Packaging from Emballator

When choosing UN certified packaging from us you get more than just physical products. You get safety, security and peace of mind from one of Europe's largest packaging groups. We constantly develop products, working alongside an established certification system with a history dating back to 1907.

AN INTERNATIONAL STANDARD FOR SHIPPING HAZARDOUS GOODS

If you are going to transport hazardous goods that are covered by UN regulations then UN certified packaging is essential.

Hazardous goods are divided into nine different classes. Class 3 for example is flammable liquids which will in turn include sub-classes for different types of flammable liquid.

A hazardous goods class and sub-class will determine its level of danger or potential to cause harm and as such, different packaging groups exist to transport different product classes.

Packaging is split into groups I (X), II (Y) and III (Z) where group I is used for the most hazardous products.

WHAT IS UN?

UN is a global regulatory system established by the United Nations (UN) to ensure the safe transportation of hazardous goods by road, rail, sea and air. With UN approved packaging you can be confident that your packaging will withstand sample checks and, in the worst case scenario, accidents during shipping.

(YR) Indicates the year of manufacture.

(100) Indicates the maximum pressure the pail is tested at in KPA.

(1.6) Indicates the maximum allowable density of the product.

(Y) Indicates that you are allowed to transport products included in packaging group II and III.

(1A2) Indicates the type of container, the material that it is produced from and the type of closure.

(N) Indicates the nationality of the certification organisation.

(XX1234) Indicates the certificate number.

(EUB) Shows the manufacturer of the product, Emballator Ulricehamns Bleck.

The UN symbol indicates that the packaging is approved according to UN rules on the transport of hazardous goods.





TESTING AND AWARDING OF UN CERTIFICATES

UN Certification for packaging is not awarded by the manufacturers of the packaging but by independent certification organisations.

Emballator holds a wide range of UN certificates to cover a wide range of packaging for different product classes. Each certificate ensures that the product has undergone and passed rigorous testing at an approved certification organisation. Products covered by UN certificates will be audited regularly by the independent organisation to ensure quality and consistency of packaging products.

HOW EMBALLATOR PRODUCTS ARE TESTED FOR UN APPROVAL

DROPTEST. The pail is filled with water and dropped from a height of at least 0,8 metre (packaging group III, Z), 1,2 metre (group II, Y) and 1,8 metre (group I, X). Pails are dropped from different angles and in all three groups no leakage is allowed. When testing for group II the drop is equal to the maximum density of the product to be filled in the pail.

PRESSURE TEST. The pail is filled with water and pressurised to a level equal to the product vapour pressure at a given temperature. For air transportation a kPa of at least 95 is required in group III and 100 in group II. No leakage is allowed.

TIGHTNESS TEST. The pail is pressurised with air to 20 kPa in packaging group II and III and 30 kPa in packaging group I. No leakage is allowed.

STACKING TEST. Carried out at a load equivalent to the filled packaging (maximum permitted density). Packaging is stacked to a minimum height of 3 metres and no damage is permitted.



WHY UN PACKAGING FROM EMBALLATOR?

We are not content to rest on our current range of UN approvals. By working closely with leading test and certification organisations on programmes of continuous product development and user testing we strive to not only meet today's UN demands but also those of the future.

By systematically testing and evaluating our products, both ourselves and in cooperation with leading independent organisations, we ensure high quality in everything we do.



Continuous Testing

We test our products on a continuous basis to ensure that they meet the high standards required.

For UN approved packaging, we perform regular drop tests, pressure tests and leak tests. Procedures are checked and verified annually by the independent certification organisation.



Internationally approved for air freight

International Air Transport Association (IATA) is the organisation that represents the global air cargo industry.

IATA develops and sets the guidelines to increase security and service, particularly the demands on the containers that are loaded onto aircraft. Emballator Metal Group works with and meets IATA's recommendations on current products.



ISO-certified for double reasons

We are certified for ISO 9001 and 14001 and work continuously and actively to improve the quality of our products and services as well as reducing our environmental impact.

We constantly monitor all aspects of our business and work with the ISO framework in order to set goals and monitor outcomes.

UN SOLUTIONS FOR ALL NEEDS

Let our size become your strength. As a large group with offices across Europe we can offer a variety of quality solutions. Emballator have the knowledge and the experience.

The table below applies to liquid products. We also have certificates for solid products. Please contact us for more information.



Density in packaging group II	1,2	1,4	1,5	1,6	1,8	2,0	2,6
Liter							
0,25**	●	●	●	●	●		
0,33*	● ●	● ●	● ●	● ●	● ●	● ●	
0,375*	● ●	● ●	● ●	● ●	● ●	● ●	
0,5*	● ●	● ●	● ●	● ●	● ●	● ●	
0,75*	● ●	● ●	● ●	● ●	● ●	● ●	
1*	● ●	● ●	● ●	● ●	● ●	● ●	
1,5	●	●	●	●	●	●	
2,5	● ● ●	● ● ●	● ● ●	● ● ●	●	●	
3	● ● ●	● ● ●	● ● ●	● ● ●	●	●	
4	● ● ●	● ● ●	● ● ●	● ● ●	●	●	
5	● ● ●	● ● ●	● ● ●	● ● ●	●	●	
10	● ● ●	● ● ●	● ●	● ●	● ●	●	
12	● ● ● ●	● ● ● ●	● ● ●	● ● ●	● ●	●	●
15	● ● ● ●	● ● ● ●	● ● ●	● ● ●	● ●	●	
20	● ● ● ●	● ● ● ●	● ● ●	● ● ●	● ●	●	
25	● ● ●	● ● ●	● ●	● ●	●	●	

** Also valid for packaging group I up to density 1,2 for canister.

* Also valid for packaging group I up to density 1,3 for canister.

- UN Press lid
- EasyOpen
- UN Press lid with ringlatch
- Lug lid
- Ringlatch lid with ringlatch
- Canister/drum



Packaging solutions for future generations

We develop and manufacture a wide range of metal packaging solutions and hold a leading position as a supplier to the paints and coatings, chemicals and food industries throughout Europe.

As a group with offices and manufacturing plants in several locations including Sweden, Finland and the UK, we have a varied and entrepreneurial history. Constant development, the pursuit of good customer relationships and the manufacture of high quality products are qualities that have existed from the start in 1907 and remain today.

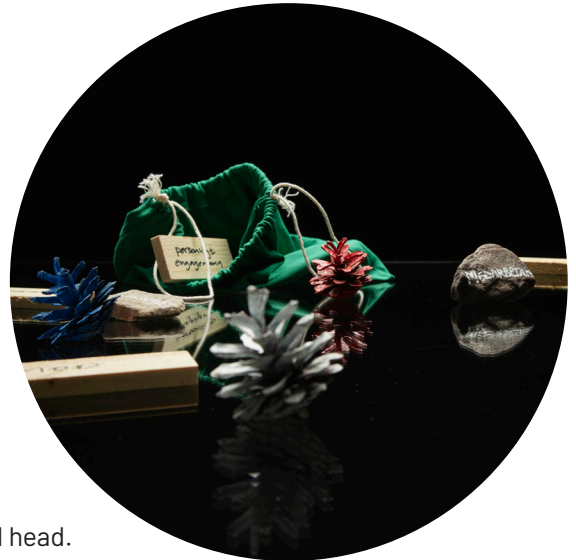
SUSTAINABLE VALUES - THE GREEN BAG

We manifest our values in a forest-green bag that symbolises the freedom to act outside the box to find our own unique forms of expression.

The stones are our foundation and the answer to why we exist. Since the start our mission has been to create profitability and through that, to create VALUE for our customers, employees and society.

The pieces of wood represent our fuel and the ENERGY that will take us forward. These driving forces enable us to be leading in our markets.

The pinecones are our DNA and describe how we should act in our leadership and employee-ship: Warm heart, clean hands and a cool head.



FORWARD THINKING DEVELOPMENT

Emballator Metal Group has never been afraid of thinking big. Product development and the establishment of new products is a key motivator but it is our attitude towards the small details of packaging design that help turn the visions into reality. We set high expectations from the outset of product development and work towards them with precision and quality at the forefront.

AN EXTENSIVE AND VARIED PRODUCT RANGE

Our headquarters in Ulricehamn form the base of an international packaging group and act as a hub for our innovation and development in metal packaging solutions. Our market extends geographically from Sweden down throughout Europe and beyond and we serve a wide variety of industries including, paint and coatings, chemical, food and speciality packaging.

