
HILDERING PACKAGING

TIN CAN SPECIALIST



Cylindrical tinplate packaging

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Cylindrical tinplate cans are the classic packaging for paint, lacquer and wood-stains. The shape is round, the body is straight (so it cannot be stacked) and there is a ring at the top in which the lid closes. The ring can be RL shaped (lid closes on the inside of the ring) or TT shaped (lid falls inside the ring and closes at three places as it were).

Assortment

The size ranges from 20 ml up to 10 litre. Currently, the most common cylindrical tinplate packaging ranges from 125 ml up to 5.5 litre. The standard sizes are produced at high speed and are the most common type on sale at DIY stores. The diameter in combination with the height determines the capacity. The most standard diameters are: 60 mm, 73 mm, 99 mm, 108 mm, 153 mm, 165 mm and 180 mm.

In addition to the standard sizes, alternative sizes are also available for the European and the local market.



Ultimate protection

Within the wide range of cylindrical tin can packaging, internally plain or internally coated tin cans are available with lid. The introduction of new legislation has caused an enormous leap in the market share of waterbased paints and lacquers. This places new demands on tin packaging. We have of course responded to this development and have added the extra protection of Protact® laminated tin can packaging to our range. The Protact® protection is most commonly applied to the fragile parts (lid, rim and bottom), which in fact creates a packaging that combines the advantages of plastic and tin. Rust on any part of the packaging is a thing of the past and the robustness and the tin's impenetrability is safeguarded. The bottom and the outside of the ring also gain optimal protection.

Markets

The cylindrical tin can packaging is often used because it is a tin can that can be closed relatively easily, effectively and quickly. It is a particularly suitable tin can packaging for the colour mixing system, of which more and more paints are being sold. The ring at the top of the tin also gives the robustness needed for the shaking and mixing of the new generation of paints and lacquers.



Closings

In principle, the cylindrical tin cans can be closed by hand. A lid shutting unit can relatively easily be integrated into the filling line at greater filling speeds. The smaller sizes (up to 1 litre) generally have RL closing. In this closing, the lid falls onto the inside of the ring and closes there as well. Some 500 ml and 750 ml tin cans have a TT closing. A TT closing has a double shape in the top of the ring, and the lid falls into the ring. The TT closing is particularly suited to adding colour to paints and lacquers (colour mixing system), because resealing is easiest and the quality of the reseal is highest. The car paintwork industry often works with a mixing lid. These generally connect best to TT closings.

In absolute terms of airtightness, the RL closing is a tighter closing than the TT closing. However, both varieties are very suitable for the packaging of paints and lacquers.



Transport and UN certification

We are able to offer a UN certified version for the transport of hazardous materials in cylindrical tin cans. The UN certification is obtained through a special adhesive compound that is applied in the TT ring of the tin can. This secures the lid even firmer on the paint tin.



Printing

The sizes from 2 litre upwards are usually provided with a handle for easy carrying and to hang the can, for example, on a ladder. Cylindrical cans can be decorated in different ways: labels, digital printing or offset printing. Labelling is a very common option. A cut-out has to be made for the handle caps in the sizes with a handle. Cylindrical tin cans are easier to label than conical ones, because of the straight shape of the trunk. In addition to this, all can be labelled in one movement (unlike rectangular cans, which need 2 labels).

By far the most common method of printing cans is by offset printing. This printing technique does involve minimum printing orders. Digital printing is already possible in smaller numbers from 125 ml up to 4 litre tin cans. The Hilderling Colour Can is a striking example of this. The minimum number of tin cans to be printed is thereby reduced to 2 pallets per size. You can find more information in our brochure about the Hilderling Colour Can.

Offset printing is a technique that is able to translate all the demands that may be made of a decorated can into a perfect looking product. The numbers at which offset printing becomes an attractive option are relatively high compared to digital printing.



Pour and Go

Because of the ring at the top of the tin can, it is hard to completely empty the tin can. And it is also a challenge to pour without spilling. There are tools available on the market such as Pour and Go, which optimizes the complete pouring without spilling.

Specifications

European standard capacities

- 125 ml - 250 ml - 500 ml - 750 ml - 1 litre - 2.5 litre - 4 litre - 5 litre

- internal coating possible
- closure is RL or TT lid (depending on size)
- Protact® protection possible
- offset printing and digital printing possible
- from 2.5 litre with handle
- standard diameter: 60 mm, 73 mm, 99 mm, 108 mm, 153 mm, 165 mm and 180 mm

Standard capacities tailored for local market

- 50 ml up to 10 litre

- standard diameter: 55 mm - 60 mm - 73 mm - 84 mm - 99 mm - 108 mm - 140 mm - 153 mm - 165 mm - 180 mm - 220 mm
- there are different heights available per diameter, which determines the capacity
- internal coating possible
- closing by ACL, RL and various TT closings
- Protact® protection possible
- offset printing possible
- from 2.5 litre handle possible (or supplied separately)

UN certified cylindrical tin cans

- from 330 ml to 1,5 litre

- diameter 105 mm, height from 198 mm
- lid flat or with screw top preparation
- UN Y certification for liquids
- internal coating possible
- TT lid with adhesive compound
- offset printing possible

Because we cannot provide exhaustive information, we refer you to our dynamic search engine on our website where you can find the most recent and most extensive information on www.hildering.com under Packaging finder.