HILDERING PACKAGING

TIN CAN SPECIALIST

Duo component tin can packaging

Duo component tin can packaging

General

Duo component tin can packaging have been developed to pack and carry two (or more) different components at the same time.
The 2-component filling goods will be mixed by the customer and have to be available in the correct proportion at the same time.

Terminology

Without exception the largest measure of capacity will be indicated as the A-component. This will be closed with a lid. The B-component can be closed with either a lid (latch ring) or a plastic closure.
The emptying speed of a plastic closure is lower than that of a lid. Generally the mixing will be done in the A-component, this is why this is usually partially filled, thus enabling the end-user to mix and stir the A and B-component without spillage.

Unique assortment

Traditionally the standard duo component tin can packaging starts at 5 litres measures of capacity (A-component). This is why we developed the Hildering 2-Component intermediate locking ring: locks conventional tin can packaging from 250 ml together. This enables us to offer duo component tin can packaging from 250 ml up to 24 litres. We herewith compile an unparalleled assortment with several choices.

Two systems

There are in fact 2 options for packaging and sending filling goods. The two components will be either linked together through a (metal or plastic) locking ring or the hardener part will be used as a lid (integrated system).

Interlocked duo component tin can packaging

The interlocked 2-component tin can packaging are often used when the filling proces is (semi)automatic. Both the A and the B-component can be filled separately and then connected. The smaller measures of capacity are connected by the Hildering 2-Component intermediate locking ring. This plastic ring is effective, easy to assemble and connects up to a measure of capacity of 5 litres.

The larger capacity measures (> 5 litres) use the metal locking rings. These connect the A-component on the B-component or vice versa. When the B-component is closed with a lid the emptying time is extremely fast contrary to when using a plastic closure. From the perspective of transport the connected version takes up more space than the integrated one.

Integrated duo component tin can packaging

With this solution the B-component packaging is in fact the lid of the A-component packaging. This means that the B-component always has to be filled first, because it's function is to seal the A-component. The end-user punctures the bottom of the B-component and the content runs into the A-component packaging, after this the components can be mixed. A large advantage of this system is that the B-component packaging fills the empty space in the A-component packaging. In view of transport this is an important advantage. Some customers will appreciate the efficiency of not having to pour the B-component into the A-component.

When one wants to add a part of the B-component to the A-component this can be done by pouring from the plastic closure (in flat cap B-component packaging) The disadvantage of this is, that the bottom of the B-component packaging will always be soiled and that the emptying time can be lengthy with viscose fillings (emptying through a puncture hole). The standard version is the white-lacquered exterior. The integrated 2-component tin can packaging has a large range of capacity measures.

Markets

Traditionally duo component packaging are used by the building- or chemical industry, but increasingly in the paint and lacquer industry.

Specifications

Interlocked duo component tin can packaging

Hildering 2-K Intermediate locking ring

Following you will find brief specifications of the plastic interlocking ring. For more information we direct you to our brochure of the Hildering 2-K interlocking ring.

The 2-K intermediate locking ring is sorted by dimeter of the locking ring. The A-component can be on top of the B-component or vice versa.

- **Diameter 99 mm**
  Tin containers from 250 ml up to 1.2 litre can be linked
- **Diameter 108 mm**
  Tin containers from 375 ml up to 1.5 litre can be linked
- **Diameter 165 mm** (B-component always under A-component)
  Tin containers from 1.69 litre up to 5 litre can be linked

HILDERING
INDUSTRIAL PACKAGING

Specifications

Interlocked duo component tin can packaging

Metal duo component intermediate locking ring

The larger capacity measures (> 5 litres) and in diameter 230 mm en 280 mm use the metal locking ring. These connect the A-component on the B-component or vice versa. When the B-component is connected on the A-component, the A-component tin can packaging will have a handle.

Diameter 230 mm

- A-component: capacity 5 up to 14 litre
- B-component: capacity 2 and 4 litre
- UN approval
- A-component with handle
- Internal coating possible
- Closure: manual latch ring lid or mechanical
- Offset printing possible
- Can be fully emptied

Diameter 280 mm

- A-component: capacity 12 up to 24 litre
- B-component: capacity 8 and 10 litre
- UN approval
- A-component with handle
- Internal coating possible
- Closure: manual latch ring lid or mechanical
- Offset printing possible
- Can be fully emptied

Integrated duo component tin can packaging

The B-component is the lid of the A-component.

Diameter 118 mm

- A-component: capacity up to 1,5 litre
- B-component: capacity 200 ml up to 500 ml
- UN approval possible
- A-component without handle
- Internal coating possible
- Closure: manual latch ring lid or mechanical
- Offset printing possible on A-component
- Offset printing possible on flat cap of B-component
- A-component can be fully emptied
- B-component emptying through a puncture hole or by pouring from plastic closure

Diameter 158 mm

- A-component: capacity 3 and 4 litre
- B-component: capacity 500 ml up to 900 ml
- UN approval possible
- A-component with handle
- Internal coating possible
- Closure: manual latch ring lid or mechanical
- Offset printing possible on A-component
- Offset printing possible on flat cap of B-component
- A-component can be fully emptied
- B-component emptying through a puncture hole or by pouring from plastic closure

Diameter 235 mm

- A-component: capacity 5 up to 12 litre
- B-component: capacity 1,3 up to 2,5 litre, 3 up to 4 litre for 10 and 12 litre A-component
- UN approval possible
- A-component with handle
- B-component with handle
- Internal coating possible
- Closure: manual latch ring lid or mechanical
- Offset printing possible on A-component
- Offset printing possible on flat cap of B-component
- A-component can be fully emptied
- B-component emptying through a puncture hole or by pouring from plastic closure

Diameter 325 mm

- A-component: capacity 20 and 25 litre
- B-component: capacity 2 up to 6 litre
- UN approval possible
- A-component with handle
- B-component with handle
- Internal coating possible
- Closure: manual latch ring lid or mechanical
- Offset printing possible on A-component
- Offset printing possible on flat cap of B-component
- A-component can be fully emptied
- B-component emptying through a puncture hole or by pouring from plastic closure

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