



# ALUMINIUM

Packaging made by ALUCAN in harmony  
with the environment and society

# ALUMINIUM

Whether it be in the food, cosmetics or pharmaceutical sector – when shopping, you will always come across packaging that is either completely or partially made out of aluminium.

The reason: aluminium is light, stays tightly sealed, has no strange taste, withstands baking heat and freezing with good conductivity at the same time, and, thanks to its excellent barrier properties, stops strange tastes, dust, germs, oxygen and light from penetrating it.

As such, nowadays goods can be transported over long distances and stored for long periods of time without any problems.



## ENERGY SAVING

The lightness of the packaging saves energy during transport. It can also be processed in an environmentally friendly way when it is recycled, as its low melting point of 660°C saves energy when the metal is being recovered.

## LIGHTWEIGHT

With its weight of 2.7 grams per cubic centimetre aluminium is only a third as heavy as iron. Therefore, the light metal is the perfect packaging material.

## MAGNETISABLE

The metal can be magnetised using eddy current, something that is used for example during waste separation.

## STABLE

Aluminium reacts so strongly with oxygen, that it is directly covered with an extremely thin layer of aluminium oxide as soon as it comes into contact with the oxygen in the air. This coating is so compact that no further oxygen can force its way through to the metal. Therefore, packaging made from aluminium is very well-protected against external influences.

## STYLISH

Aluminium has a modern, timeless appearance that designers love to use. As such, some interior decorations, computers or mobile phone cases are now made from aluminium.

## RECYCLABLE

Aluminium is perfectly suited for recycling. It can be returned to the material loop by using only 5% of the energy initially required to extract the metal, without a loss of quality. In the World around 90% of aluminium packaging is recycled.

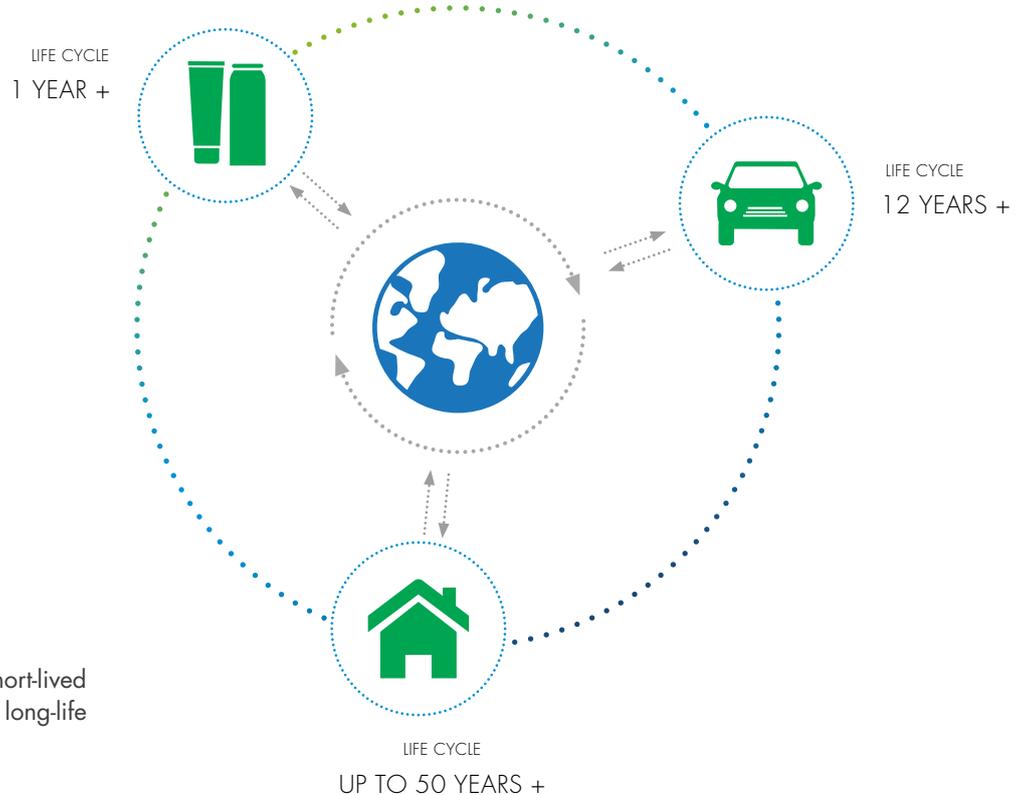
## NON-TOXIC

Aluminium does not pose a health risk and so among other things it is an important constituent of packaging for foodstuffs.

## RESISTANT

75% of all the aluminium ever produced is still in use today.

# ALUMINIUM RECYCLING LOOP



Aluminium that has been used in short-lived applications can go on to be used in long-life products because of recycling.