

Why is aluminium foil great for packaging?















High barrier allows for long life conservation without refrigeration, thus saving energy

Lightweight foil packaging saves material and energy resources

Only 1.5g of aluminium foil in an aseptic beverage carton enable the perfect preservation of 1 litre of milk for months



Also, it helps to save resources

1/3 of food produced globally is never eaten – representing a major wastage of resources and unnecessary greenhouse gas emissions

Foil packs help to prevent food waste

Aluminium foil's absolute barrier preserves valuable goods and prevents them from being lost. It provides a packaging option for extended shelf-life, customized portion packs, thus reducing risks of food waste at the retail and consumer



Aluminium foil saves much more resources than it consumes

And it is fit for circular economy

Outstanding low packaging-

lower than rigid alternatives)

to-product ratio (5 to 10 times



Packages with aluminium as major component can be easily recycled via the regular aluminium recycling stream



For laminates with aluminium foil, pyrolysis can be used to recover the aluminium

In waste to energy operations aluminium foil can be partially recovered from the bottom ashes and then recycled

Aluminium as material can be recycled without loss of quality and reused



in new aluminium products. 75% of all aluminium ever produced is still in use

> **Aluminium foil** can be recycled



First, aluminium foil packaging must be properly collected

No successful recycling without appropriate collection

When collected, foil packaging can easily be separated in a sorting centre by using eddy current separators and even more advanced technologies

Proper collection also **prevents packaging** from leaking into the environment

> Continuous improvement of collection, separation and recycling technologies will increase the recycling rates of aluminium foil



Many initiatives of the industry to improve recycling



The aluminium industry established a European wide network of national aluminium packaging recycling organisations to improve the recycling of aluminium packaging including aluminium foil

Key stakeholders of the entire flexible packaging value chain initiated the CEFLEX project to improve the endof-life-performance of all flexible packaging incl. composite aluminium foil applications

Technologies like delamination and chemical recycling are under development helping to "separate" the aluminium foil from composite packaging for recycling

Aluminium packaging recycling rate in Europe exceeds already 60%



And its overall resource efficiency supports a circular economy beyond just recycling!