STEEL FOR PACKAGING EUROPE

Decoding the latest EU legislation

Impacts on packaging recyclability and circularity in aerosols

Steve Claus,
Secretary General Steel for Packaging Europe

www.steelforpackagingeurope.eu

STEEL FOR PACKAGING EUROPE

Founded in 1986

Based in Brussels

Represents the 5 major producers of steel for packaging in Europe

ACCIAIERIE D'ITALIA IN A.S.

ArcelorMittal

U. S. Steel Košice, s.r.o.
A Subsidiary of United States Steel

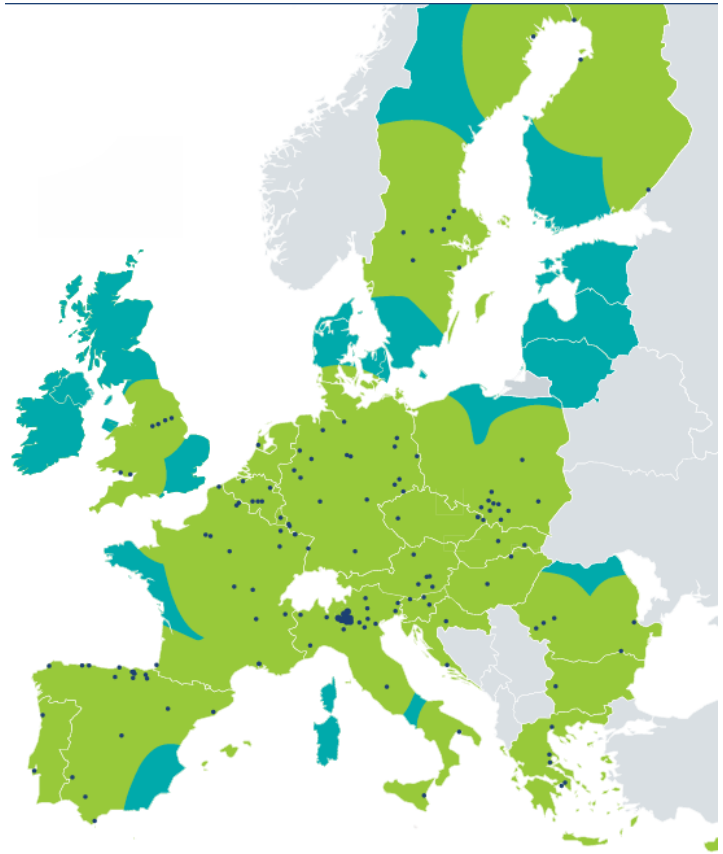
thyssenkrupp

TATA STEEL

STEEL FOR PACKAGING EUROPE

OF STEEL FOR PACKAGING PLANTS:10

OF STEEL PLANTS: 200+



CIRCULAR MATERIAL LOOP

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In December 2024
the EU council formally adopted
PPWR and a stricter approach to
recyclability

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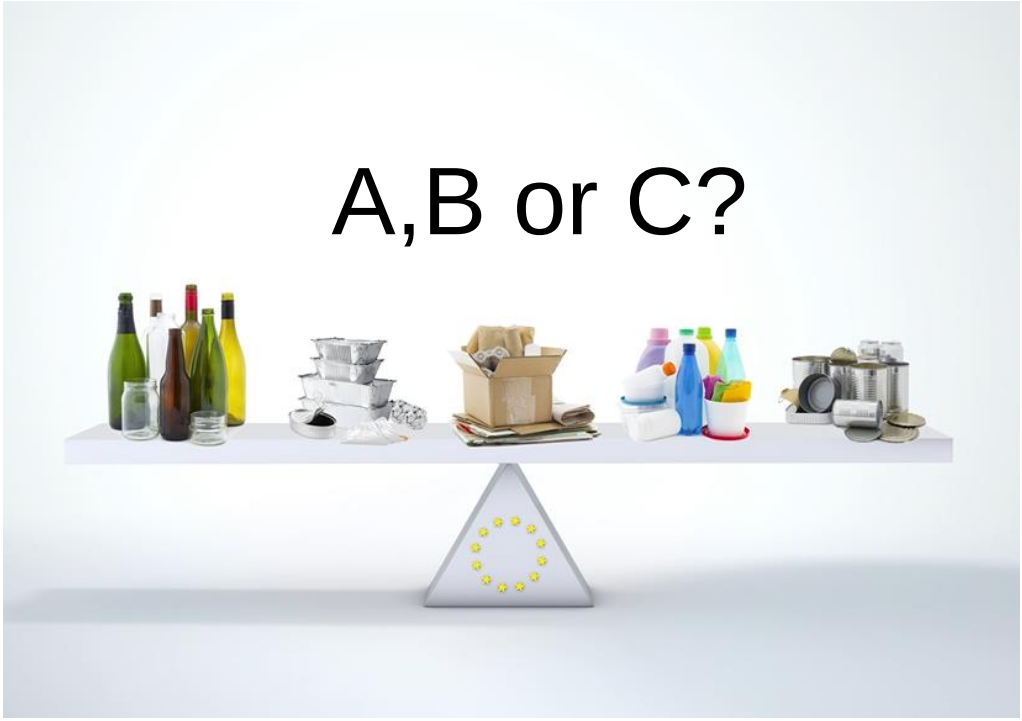
WHAT WILL CHANGE FOR AEROSOL PACKAGING MANUFACTURERS?

Introduction of packaging recyclability performance grades (PRPGs)

Article 6 (Recyclable packaging), paragraph 4:

“*By 1 January 2028, the Commission shall, after taking into consideration standards developed by the European Standards Organisations, adopt delegated acts to establish: (a) design for recycling criteria and recycling performance grades based on Table 2 and the parameters listed in Table 2a of Annex II for packaging categories listed in Table 1 of that Annex.*”



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Introduction of the concept of “recycled at scale” (RaS)

Article 3 (Definitions), (32):

“‘packaging waste recycled at scale’ means: packaging waste which is separately collected, sorted and recycled in installed infrastructure, using established processes proven in an operational environment which ensure at EU level an annual quantity of recycled material under each packaging category listed in table 1a Annex II, equal or greater than 30% for wood and 55% for all other materials.”

Design for recycling and increased recyclability will promote a more circular economy

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Explaining Recyclability Grades

How PPWR will affect the future of packaging.

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YEAR	2030	2035	2038 onwards
DESIGNED FOR RECYCLING CRITERIA ✔ Effectively collected ✔ Sorted ✔ Recycled at scale			
A 95% or higher recyclability			
B 80% or higher recyclability			
C 70% or higher recyclability			

All steel packaging sits within grades A and B

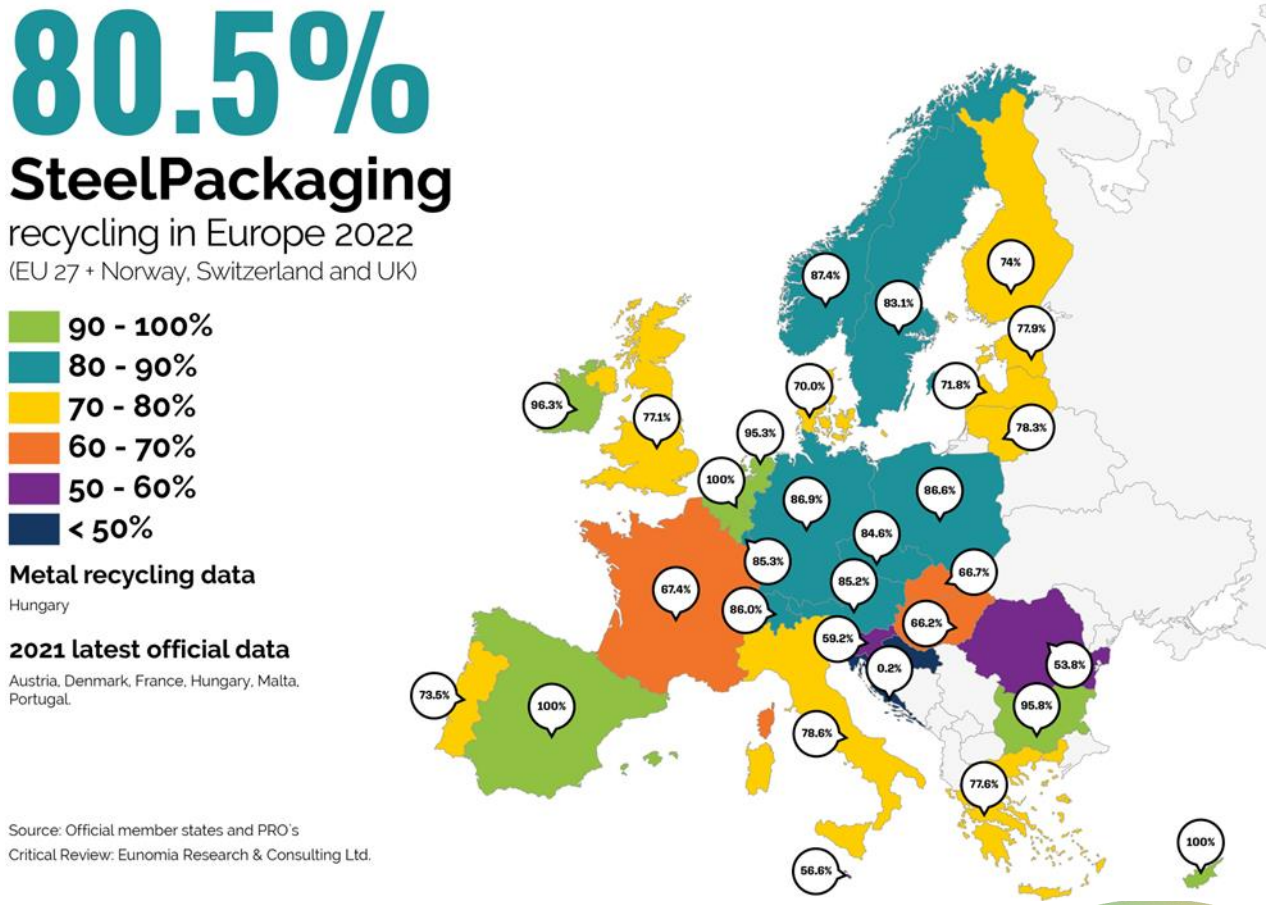
Any packaging less than 80% recyclable will no longer be legal in 2038

*Laminated cartons made from: 75% wood fibre, 21% polymers, 4% aluminium
Source: Ace Belgium – beverage carton – beverage carton

What this means for steel aerosols?

Steel is the ideal material to meet to new recyclability requirements for packaging materials:

- Easy to separate from any waste stream
- High recycling rates
- Existing collection & recycling infrastructure across EU
- 100% of recycled steel is reborn as new steel products



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Strategic actions to be PPWR compliant

- Invest in innovative design with circular materials
- Educate consumers about proper disposal
- Develop competitive advantage through sustainable practices

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One example of sustainable practice: Chromium-Free Passivation Alternative (CFPA)

CFPA is:

- Commercially available from multiple sources
- Food contact approved in Europe, USA, Mercosur, China…
- Pack-tested across all product categories, including aerosols
- An innovative technology developed cooperatively in Europe

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Chromium-Free Passivation Alternative (CFPA)

CFPA:

- Offers equivalent technical performance
- Does not impact recycling
- Has been included in all major industry standards for tinplate, e.g., EuroNorm, ASTM, ISO
- Offers broad customer choice in material specifications

CFPA is fast becoming the new standard for tinplate

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Steel is a circular champion

Steel is a permanent material

Permanent materials can be recycled over and over again and given a new life, without losing their key intrinsic properties.

Such materials are, and will remain, at the heart of any proven and well-functioning Circular Economy in Europe and beyond.

Visit our website

www.circularchampions.eu

permanent materials alliance

True value of permanent materials is being recognised in legislation and in practice

- Application of net cost principle, guaranteeing all packaging pay for their cost of collection, sorting and treatment, considering proceeds of selling the material
- Application of eco-modulation of Extended Producer Responsibility (EPR) fees based on the recyclability of the packaging boosting innovation, DfR, recyclability, and the circular economy

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Decarbonised steel is the future

The European steel industry is working together towards a carbon-neutral future using a mix of process efficiency, breakthrough technologies and greater scrap availability.

The steel industry is committed to being open and transparent. It is already forming the necessary partnerships to transform technologies, and it will meet the challenge of a carbon-neutral future:

- -55% carbon emissions by 2030 compared to 1990 levels
- climate neutrality by 2050.

A recap of the biggest technology transformations can be found on the website of Eurofer.

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For more information about Steel for Packaging

Visit us at:

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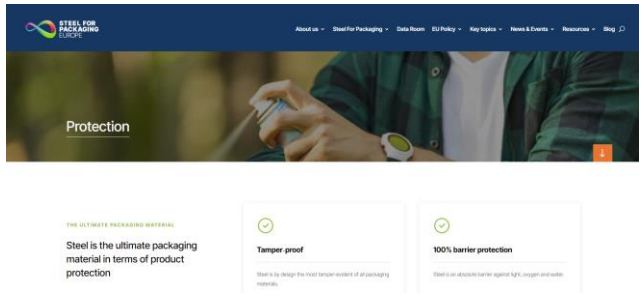

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THANK YOU!