



Introduction to eccca

ECCA is the **Voice of the Coil Coating industry in Europe**, representing about 90 companies, active in coil coating and the major suppliers to the industry.

- Founded in 1967
- Headquarters located in Brussels
- Association of corporate companies (≠ federation of national associations)



ECCA is dedicated to the **promotion of the use of prepainted metal** as the environmentally sound, the cost effective and the high-quality method of finishing.

- 1,450 million m² and 212 kt paint (*)
- 82% Steel / 18% Aluminium(*)



MISSION & Objectives

- Increasing the awareness of **preainted metal** through promoting its environmental, cost, quality and design benefits
- **Stimulating** market, application, product and process development
- Setting quality performance **standards** and developing **test methods**
- **Granting of Quality and Sustainability Labels** for preainted metal on the basis of the technical and sustainability requirements defined in the ECCA Premium[®] Label manual and based on independent third-party control
- **Representation** of the Industry in its contacts with Public Officials, Public Authorities, other Trade Associations and Professional Bodies.

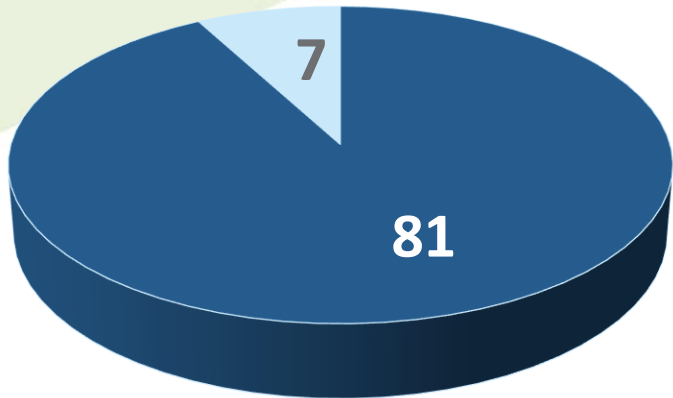
Why join ECCA?

- To gain exposure to the major players of the coil coating industry and networking opportunities with a wide variety of industry experts
- To have access to the latest technical developments and benefit from them
- To gain a benchmark with major players in order to improve your own operations

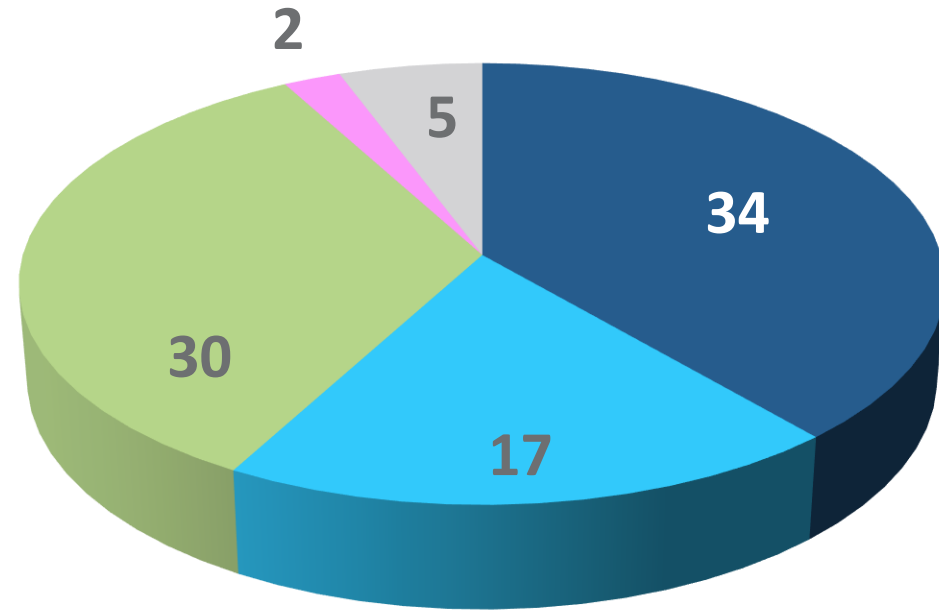
Why join ECCA?

- To get regular updates on European legislation and major issues faced by the sector
- To participate in working groups, shape the work of the Association and gain a competitive advantage

2021 ECCA membership



■ European ■ Non-European



■ Coil Coaters ■ Paint suppliers
■ Other suppliers (*) ■ Stockists
■ Extraordinary (**)

(*) Pretreatment, Resins, Pigments, Equipment
(**) Research Institutes, other associations

ECCA membership – 2021

34	European Coil Coaters (Alucoil, ArcelorMittal, Arconic, Elval, Euramax, Novelis, Speira, SSAB , TataSteel, US Steel ...)
2	European Stockists
16	European Paint Suppliers (Akzo Nobel, Axalta, Beckers, PPG, Sherwin-Williams...)
25	Other European Ordinary Members (Arkema, BASF (ex-Chemetall), Henkel, ...)
4	European Extraordinary Members
7	Non-European members (technology suppliers)
<hr/> 88	

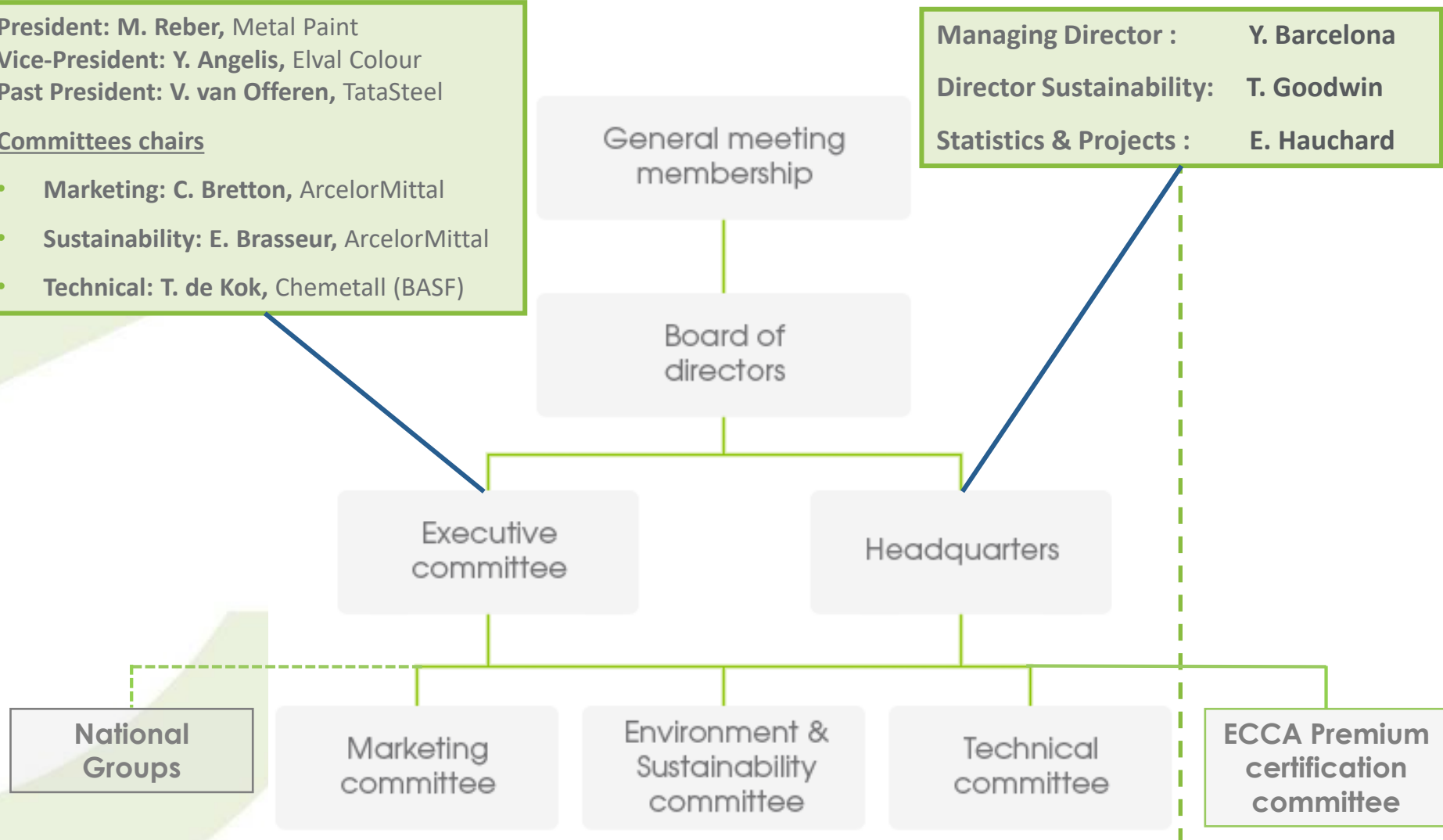
ECCA Organisation

President: M. Reber, Metal Paint
Vice-President: Y. Angelis, Elval Colour
Past President: V. van Offeren, TataSteel

Committees chairs

- **Marketing:** C. Bretton, ArcelorMittal
- **Sustainability:** E. Brasseur, ArcelorMittal
- **Technical:** T. de Kok, Chemetall (BASF)

Managing Director : Y. Barcelona
Director Sustainability: T. Goodwin
Statistics & Projects : E. Hauchard

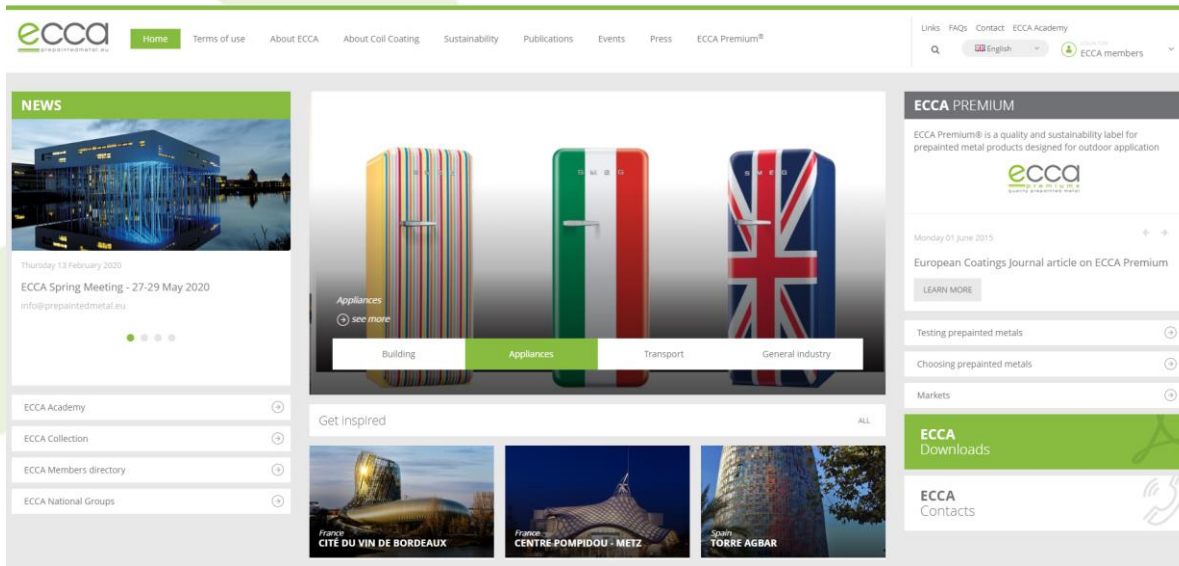


ECCA major activities

- Communication, Promotion, Education
- Statistics
- Standards and Tests methods development
- Environmental Benchmarking
- Legislation monitoring
- Technical projects
- Conferences
- Quality & Sustainability Label

Communication Promotion Education

www.prepaintedmetal.eu



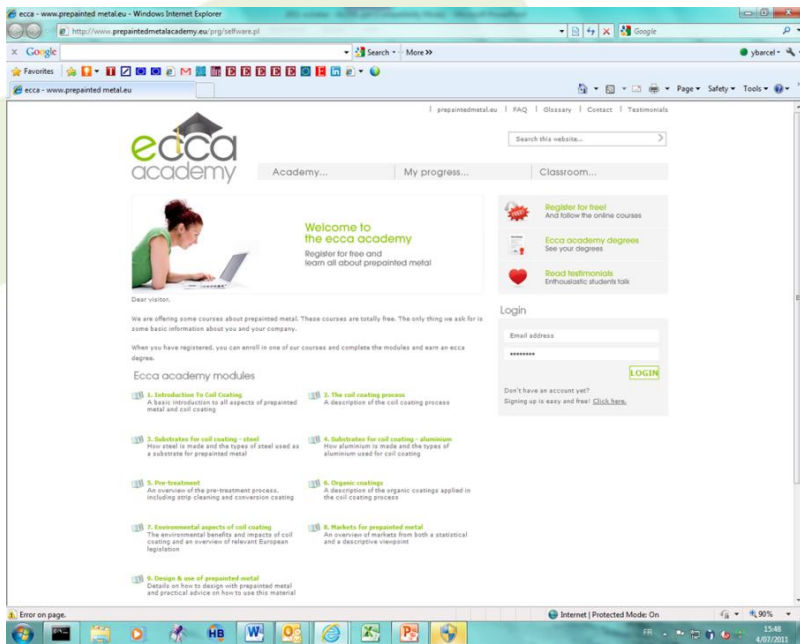
The ECCCA Collection

www.creativebuilding.eu

- Collection of high quality buildings made of prepainted metal
- Primarily dedicated to Architects

www.prepaintedmetalacademy.eu

- A free resource to educate in coil coating
- 10 modules (9 with their own exam)



Educational workshops

2017: Surface defects

2018: Impact of corrosion on performance of products

2019: Understanding the new STS BREF

Implications for the coil coating industry

2020: Recycling and reuse of aluminium, steel and building panels

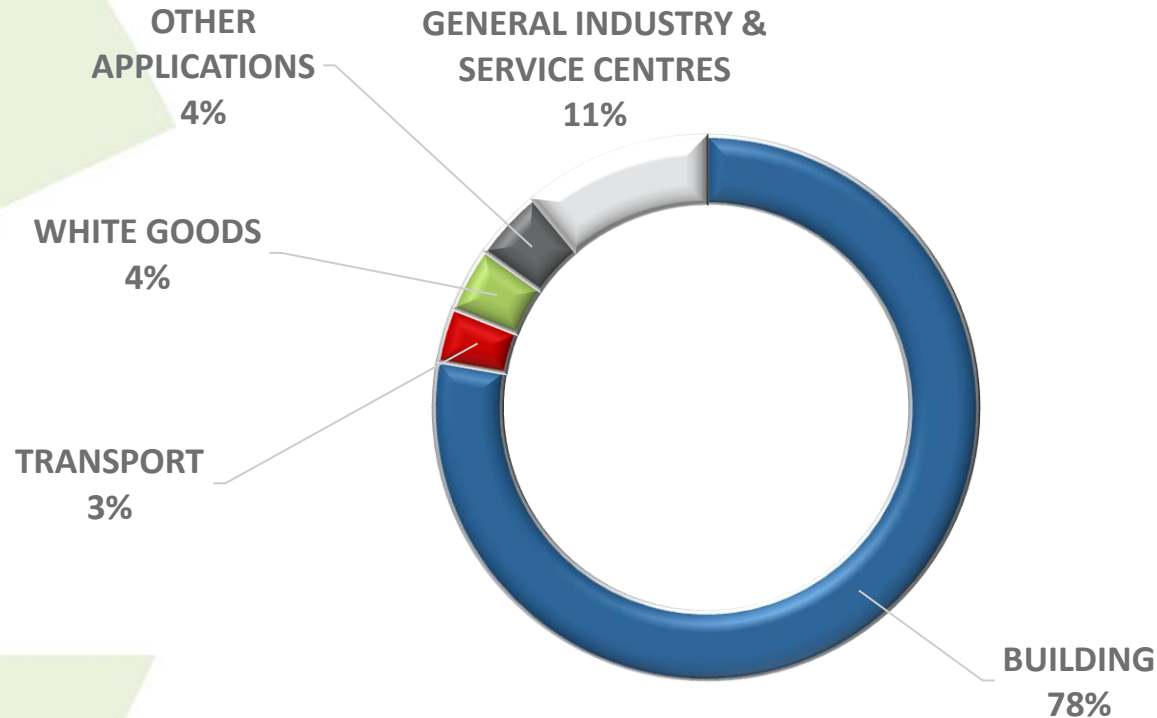
Educational webinars organised on a regular basis for the membership

“The ECCA academy is an interesting and exciting way to learn more about coil coating. It has been a pleasure for me to work through the exams of the ECCA academy. It gives a very good overview of the coil coating process.”

Christian Vree, Surface Technology Engineer - Salzgitter Mannesmann Forschung GmbH

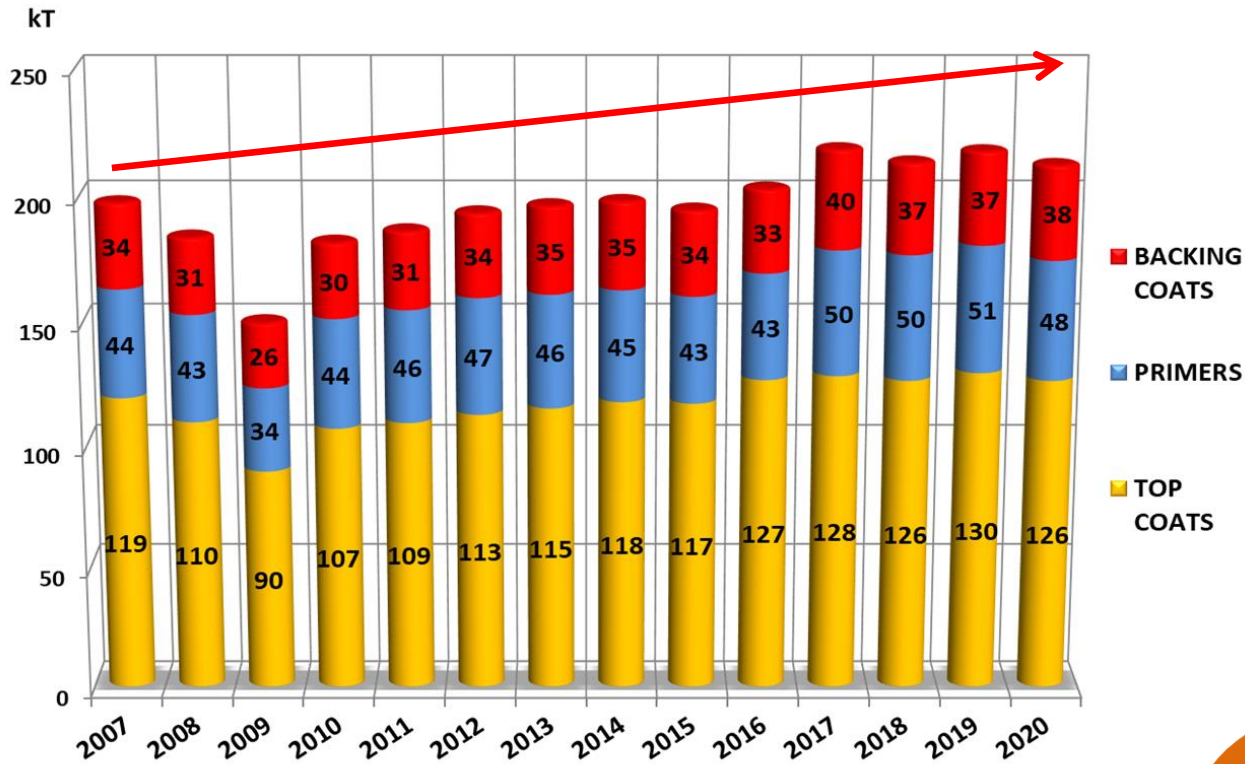
2020 ECCA Statistics

Prepainted metals



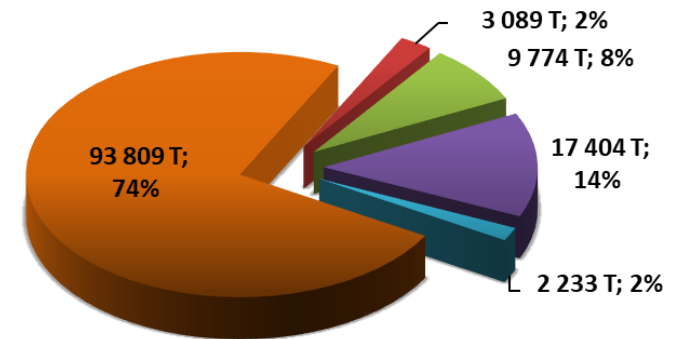
**Total: 1 450 mio m² (5 849kT):
82% steel / 18 % aluminium**

Paint systems in 2020



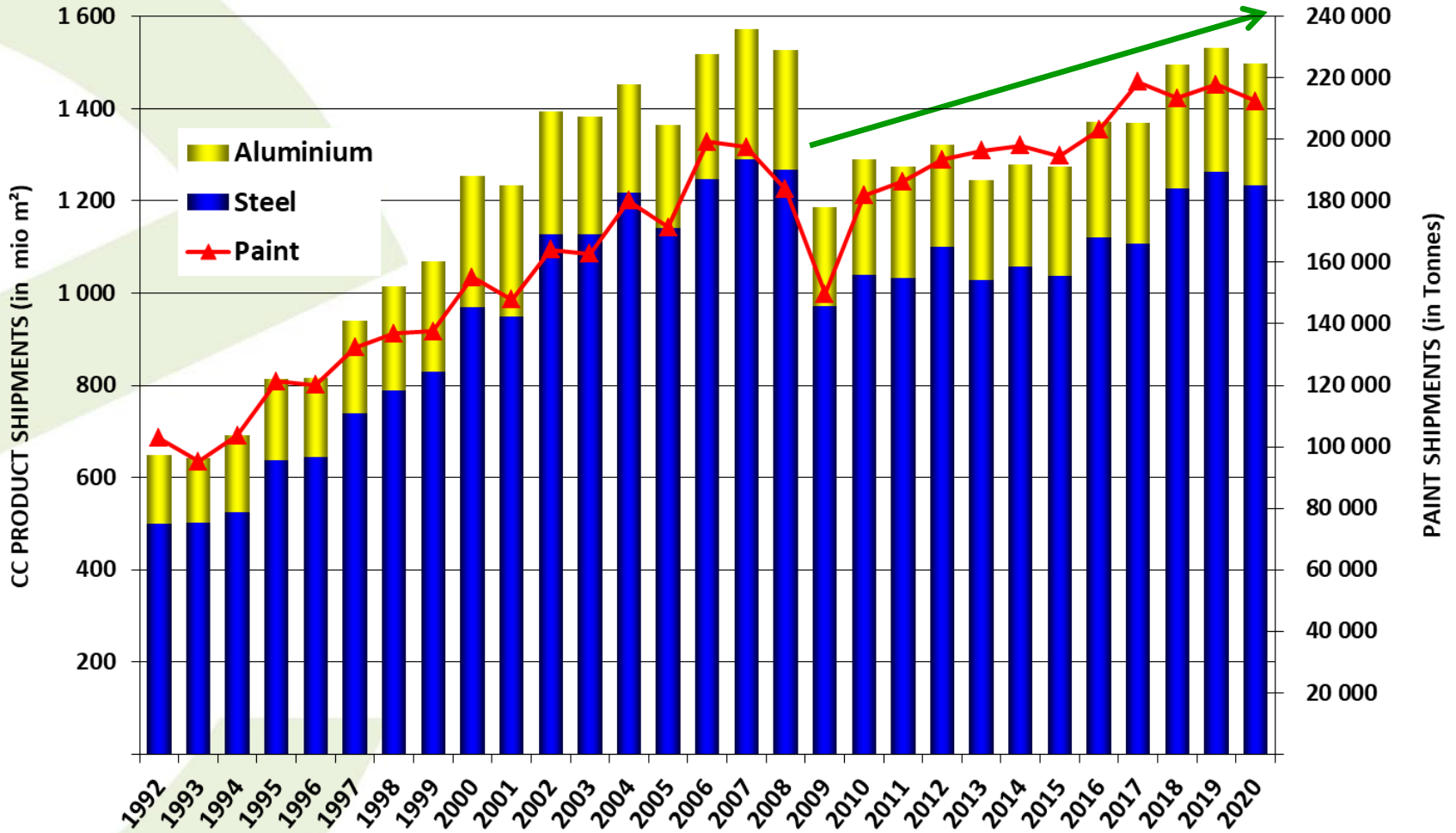
- Top coats: -2%
- Primers: -6%
- Backing coats : +2%
- In 2020: 212 kt tons shipped

Top coats in 2020



- Polyester
- PVDF
- Plastisol
- Polyurethane system
- Others

Overview since 1992



Steel:

- Q4 2020: **+6.2%**
- Year 2020 : **-4.8%**

Aluminium:

- Q4 2020 : **+1.6%**
- Year 2020 : **-2.5%**

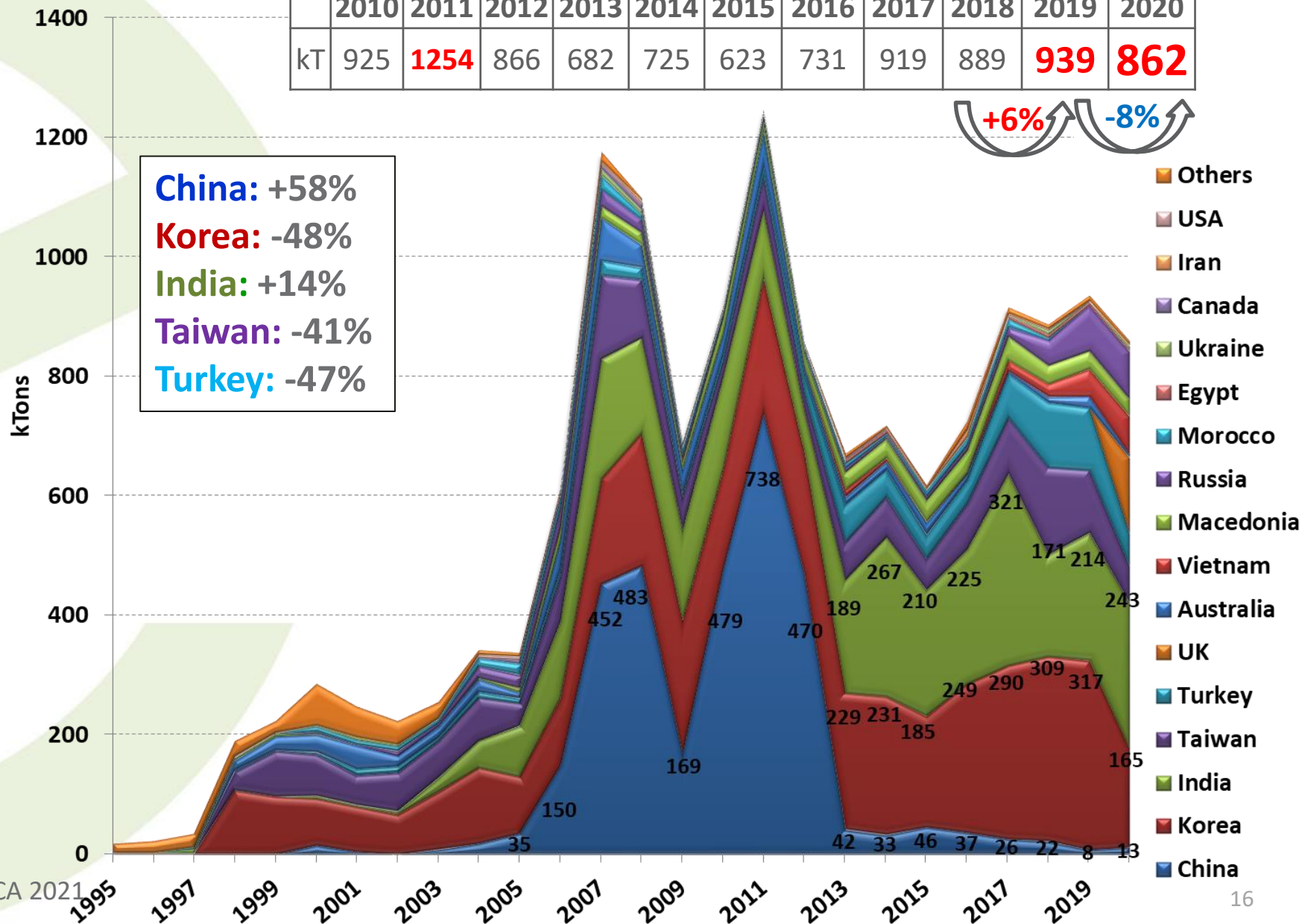
Paint:

- Q4 2020 : **+13.5%**
- Year 2020 : **-2.5%**

OC Steel – Imports into EU-27

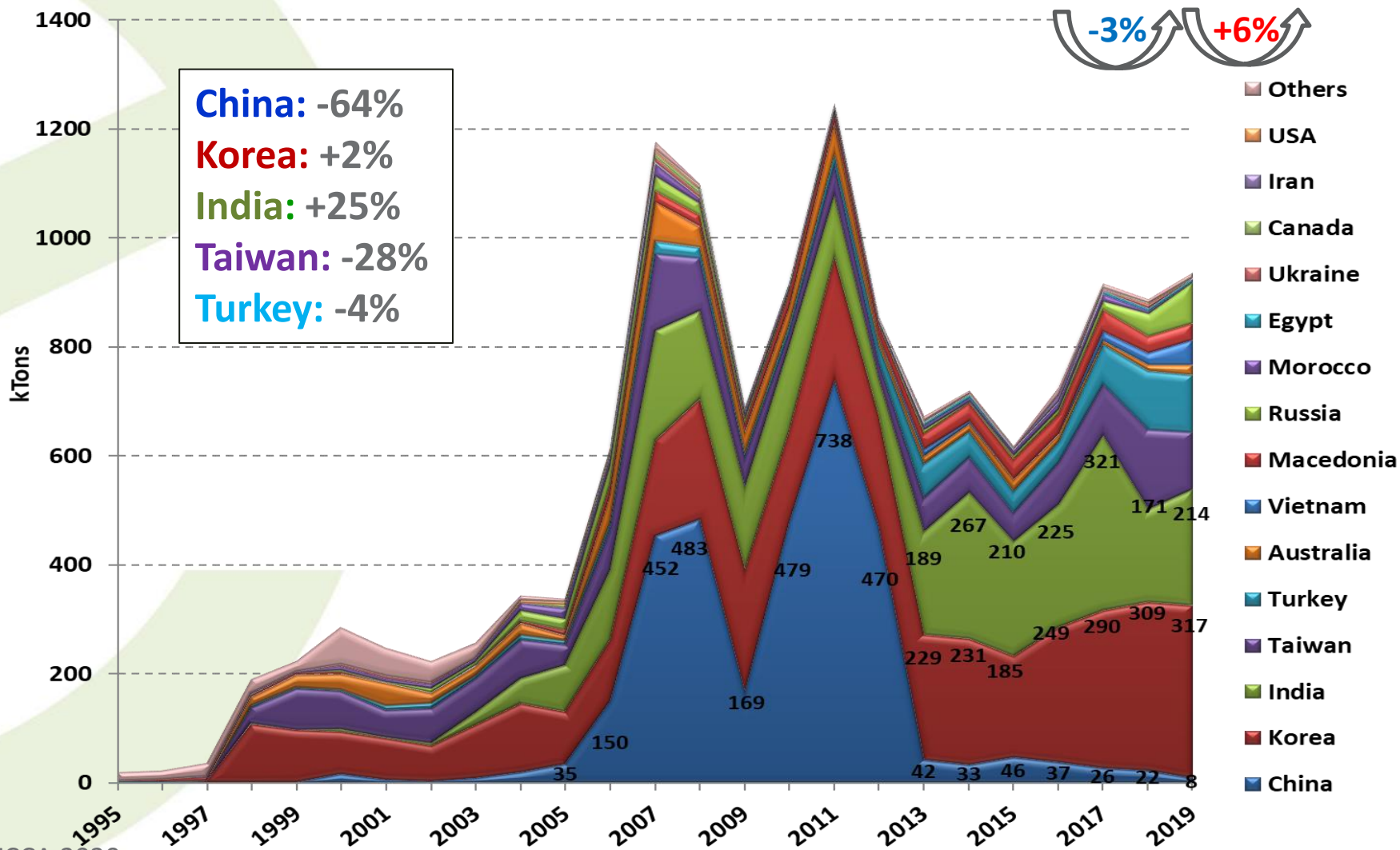
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
kT	925	1254	866	682	725	623	731	919	889	939	862

+6% -8%



OC Steel – Imports into EU-28

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
kT	1204	1119	702	925	1254	866	682	725	623	731	919	889	939



Standards & test methods development

Standards and tests

< Back

Testing prepainted metals

Standards and tests

ECCA recommended sites

European Products standards

European Tests standards

Where to buy standards

Test method videos



Contact us

Find us with google maps

info@prepaintedmetal.eu

+32 (0)2 515.00.22

Testing of product

Prepainted metals are widely used in different applications and environments (exterior and interior buildings, domestic appliances, furniture,...) and tested accordingly.

Over the years, a number of test methods have been developed to ensure that the material fits to the desired purpose. Most relevant European standards (EN) are based on test methods developed by ECCA and are available in all European National Standardisation Institutes.

Some EN standards specify test methods that deal with parameters like the **thickness** of paint layers (EN 13523-1) or the **retention of gloss** properties (EN 13523-2). Other EN standards deal with the mechanical properties such as **bend tests** (EN 13523-7) or test of **pencil hardness** (EN 13523-4). Another important test relates to the **chalking** of the prepainted surface (EN 13523-14).

In addition to the European Standards, some prepainted metal users e.g. appliance manufacturers, have established their own specific test methods dependent on the final use of the material. For example, some washing machines manufacturers are interested in resistance of the surface against alkaline solutions. Refrigerators are tested for resistance against foodstuff and beverages with aggressive properties, e.g. ketchup or vinegar.



Read more

European Standards

Outdoor Exposure

Ecca tools

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Basic introduction

ECCA Academy
Coil coating line simulation
Glossary

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Quality performance standards & European test standards

- **EN 1396:2015** Aluminium and aluminium alloys - Coil coated sheet and strip for general applications - Specifications
- **EN 10169:2010** Continuously organic coated (coil coated) steel flat products – Technical delivery conditions
- **ECCA test methods** converted into European Standards series **EN 13523**

Environmental & Safety Benchmarking

2008

First ECCA Environmental Benchmarking & Safety survey

37 participating coil coating lines

First ECCA Sustainability Report

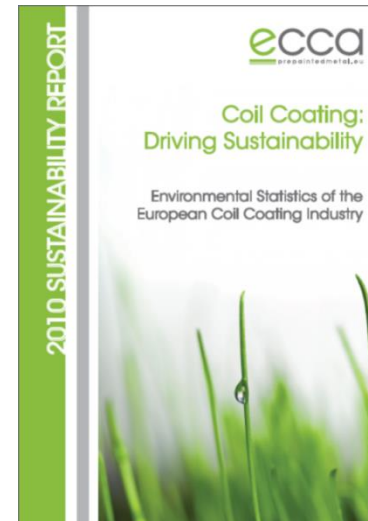
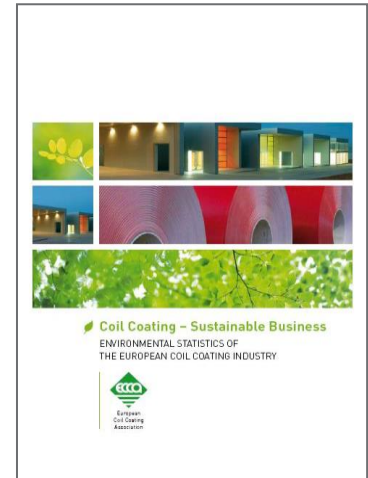
First benchmarking data

2014

Seventh ECCA Environmental & Safety Benchmarking survey

Fifth ECCA Sustainability Report

- Survey made every year



- Regular updates on European legislation and major issues faced by the sector
- For example:
 - Voice of the sector in the revision of the « Surface Treatment using Organic Solvents » BREF (*)
 - REACH
 - SVHC's

Technical projects – some examples

- Technical / safety papers:
 - Storage Guidelines
 - Choosing the right prepainted metal product
 - The basics of corrosion
 - Colour assessment of prepainted metal - ECCA guidelines
 - Risk of nip points on roll-coaters
- Alternative to (acetic) Salt Spray test
- Comparative Life Cycle Assessment of pre-painted and post-painted metals
- Zero-Carbon coil coating line

ECCA conferences (twice a year)

- Learning about the latest technical developments
- Ample networking opportunities with the representatives of the international Coil Coating Industry and their customers



- Next conferences
 - **Marseille (FR), 18-20 May 2022**
 - **Brussels (BE), 21-22 November 2022**
 - **Lucerne (CH), 24-26 May 2023**

The ECCA Premium® label
protects your creations.



ECCA PREMIUM®

Quality and Sustainability label for pre-painted metals

www.eccapremium.com



QUALITY
Coating that resists external stress.



SUSTAINABILITY
Respectful of environmental and social standards.



AESTHETICS
Freedom to choose shapes and colors.

ECCA Premium® is a label awarded by the European Coil Coating Association ECCA that ensures, using strict criteria, the quality, sustainability and aesthetics of pre-painted metal products used in building applications.

What is ECCA Premium®?

<http://www.eccapremium.com>

ECCA Premium® is a quality and sustainability label for prepainted metal products designed for outdoor applications.



Goals and objectives

- establish and grant quality and sustainability labels for prepainted metal products based on well-defined European standards
- ensure an appropriate use of the quality and sustainability trademark ECCA Premium®, an internationally registered trademark
- ensure that the criteria and procedures for granting the label are fair and harmonized in each country
- promote the use of European standards for prepainted metals: **EN 1396** and **EN 10169**

Join ECCA and ...

- Gain exposure to the major players of the coil coating industry and networking opportunities with a wide variety of industry experts
- Access to the latest technical developments and benefit from them
- Gain a benchmark with major players in order to improve your own operations
- Get regular updates on European legislation and major issues faced by the sector
- Participate in working groups, shape the work of the Association and gain a competitive advantage

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