Introduction to ecca
European Coil Coating Association

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.

- 1,530 million m² and 218 kt paint (*)
- 82% Steel / 18% Aluminium(*)

(*) 2019 ECCA statistics
MISSION & Objectives

- Increasing the awareness of prepainted 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 prepainted 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
2020 ECCA membership

- **European**: 84
- **Non-European**: 7

- **Coil Coaters**: 37
- **Paint suppliers**: 2
- **Other suppliers (*)**: 37
- **Stockists**: 4
- **Extraordinary (**)**: 16

(*) Pretreatment, Resins, Pigments, Equipment
(**) Research Institutes, other associations
ECCA membership – 2020

37 European Coil Coaters (Alucoil, ArcelorMittal, Arconic, Elval, Euramax, Hydro Aluminium, Novelis, Salzgitter, SSAB, TataSteel, ThyssenKrupp, US Steel …)

2 European Stockists

15 European Paint Suppliers (Akzo Nobel, Axalta, Beckers, PPG, Sherwin-Williams…)

27 Other European Ordinary Members (Arkema, BASF (ex-Chemetall), Henkel, …)

3 European Extraordinary Members

7 Non-European members

91
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

General meeting membership

Board of directors

Executive committee

National Groups
- Marketing committee
- Environment & Sustainability committee
- Technical committee
- ECCA Premium certification committee

Headquarters
ECCA major activities

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

www.creativebuilding.eu

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

www.prepaintedmetalacademy.eu

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

“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

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
Total: 1 532 mio m² (6 305kT): 82% steel / 18 % aluminium
Paint systems in 2019

- Top coats: +2%
- Primers: +1%
- Backing coats: +2%
- In 2019: 217,817 tons shipped

© ECCA 2020
Overview since 1992

Steel:
- 2019: +1,9%
- Q1 2020: -3,9%

Aluminium:
- 2019: -1,5%
- Q1 2020: -0,8%

Paint:
- 2019: +2,1%
- Q1 2020: +0,6%
OC Steel – Imports into EU-28

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China: -64%
Korea: +2%
India: +25%
Taiwan: -28%
Turkey: -4%

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Standards & test methods development

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.
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
- Report issued every second year
Legislation monitoring

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

(*) Best Available Techniques Reference Document
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
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

- Brussels (BE), 23-24 November 2020
- Lucerne (CH), 19-21 May 2021
ECCA PREMIUM®
Quality and Sustainability label for prepainted metals
www.eccapremium.com
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