

Joint session “Future of color coated steel”

Color coated steel is a versatile raw material that is used in many end applications such as packaging, facades, roofings, domestic appliances and automotive industry. Current trends in color coating processes and products are transition to fossil free steel production, attempts to minimize process effluents and VOC’s, replacement of fossil constituents in organic coatings with biobased constituents, and development of energy-saving curing technologies for coatings. Along with these trends, the industry is met with increasing expectations for corrosion protection, deformability, UV resistance and functionality.

Papers from the industry, research institutions and academia are welcome, and the aim of this session is to sculpt a contemporary view of the state of color coated materials. The papers sent to this session can address (but are not limited to) the following topics:

- Cleaning and pretreatment of metal coated steel
- “Greener” organic coatings – what has been achieved with novel formulations
- Degradation mechanisms in accelerated and atmospheric exposure
- Analytical tools to characterize organic coatings and their properties
- Radiation curing techniques and implications on end product properties

The session will open with a plenary lecture from the industry: *“Color coated steel- where we came from, where are we now and where we are going. An overview of process and product developments.”*

The session will end with a round table discussion with industry experts with the topic: *“Color coating process in 20 years”*.