



Benefits of coil coating

Coil coating or 'pre-painting' is the process where large coils of a variety of materials (including cold-rolled steels, hot dip galvanised, stainless steel, copper and aluminium) are coated in a continuous, highly automated process prior to final fabrication steps. **The benefits are:**

Proven track record

The flexible and durable performance of coil coated materials often outperforms other paint systems. Over 1.3 billion sqm pre-coated metal is used annually in Europe alone.

Smooth coating layer

Painting metal 'in the flat' provides a uniform, smooth paint layer as opposed to spray painting or powder coating an assembled product with corners and edges. 'Orange skin' is unknown in coil coating.

Sustainable production

Since coil coating is a closed loop process, all activities using chemicals and paints are carried out under strict process conditions, enabling high level environmental control.

Corrosion resistant

The resistance of coatings to corrosion depends on the pre-treatment of the substrate and the paint used. Cleaning, pre-treatment and paint application are optimal in coil coating facility environments, leading to an unquestionable advantage.

Colour versatility

Coated aluminium can be supplied in virtually any colour. Gloss levels vary from high gloss to ultra matt.

Coatings available

The variety of coatings is almost unlimited: Polyester, Polyurethane, Polyurethane-Polyamide, PVDF and Lumiflon offer solutions for almost every application.

Reproducibility

Colour differences are also minimal across batches due to the controlled process and environment, with no temperature or weather influences.

Flexibility

Pre-painted aluminium can be slit, drawn, formed, bent, sheared, cut, blanked, lock seamed and adhesive bonded. It can be bolted, screwed, riveted, etc.

