

# DURACOIL LINE

Industrial Motors

Commercial & Appliance  
Motors

Automation

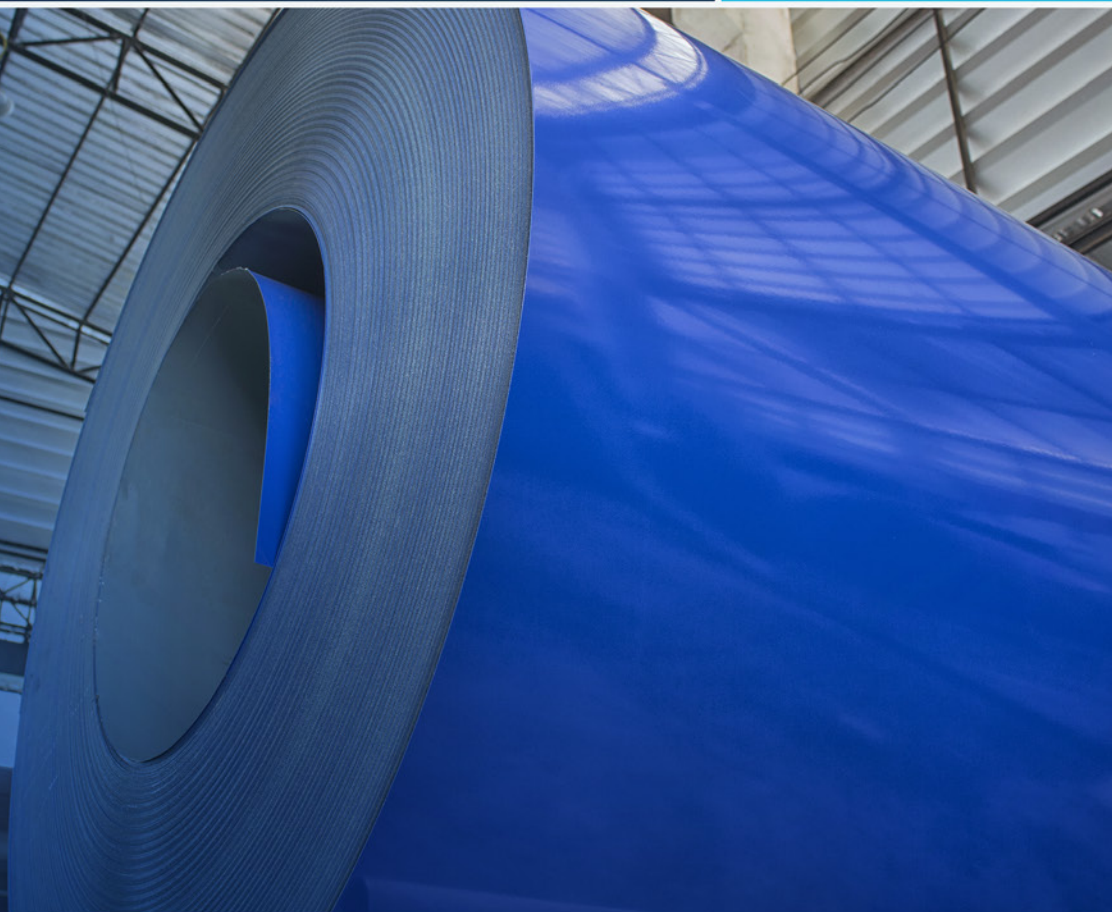
Digital & Systems

Energy

Transmission &  
Distribution

**Coatings**

Discover the  
technology that  
revolutionizes  
metal coatings.



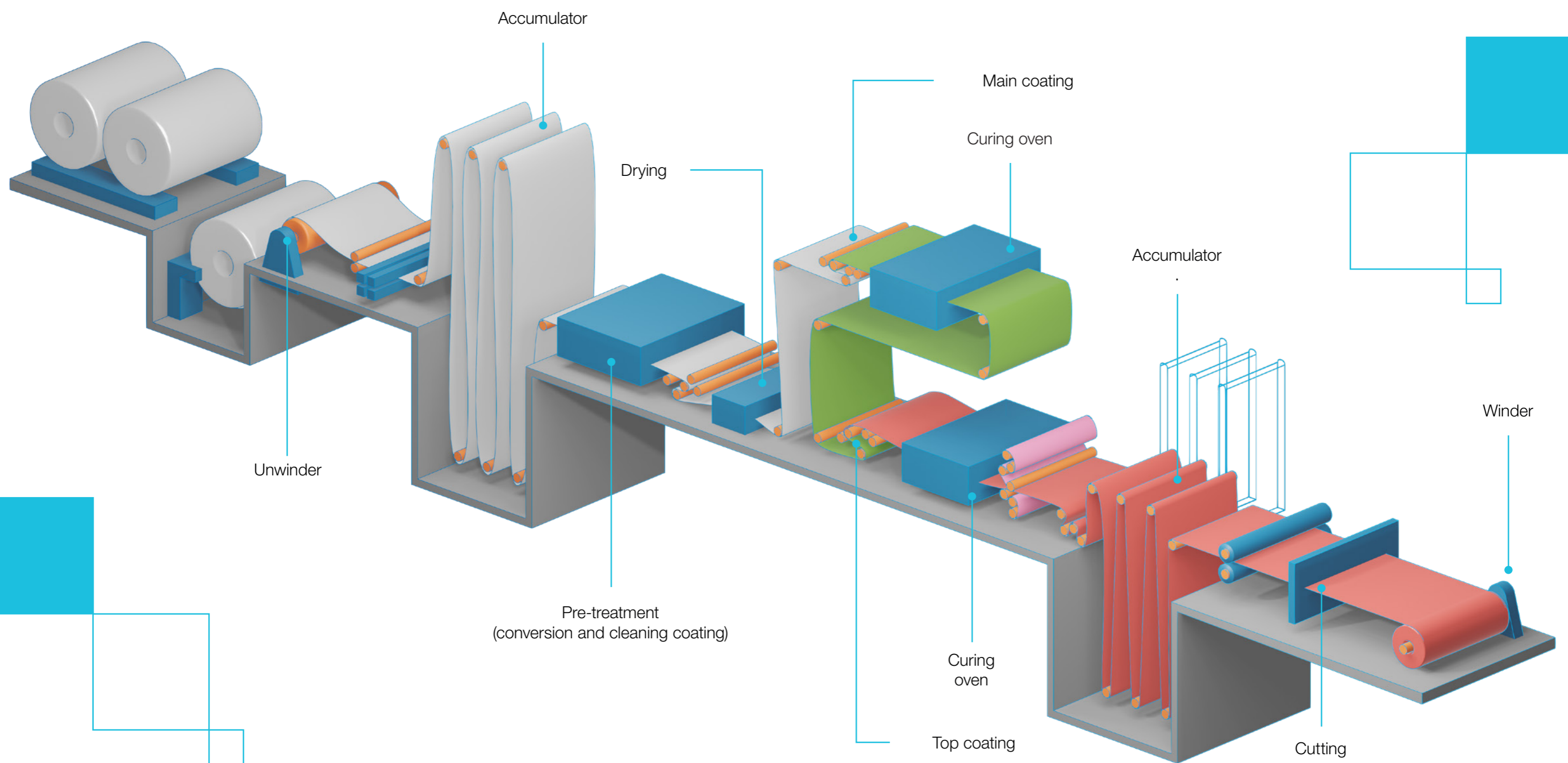
Driving efficiency and sustainability



# Discover a new coating option for metal coils with WEG's DURACOIL Line.

Coil coatings are developed with cutting-edge technology, specially formulated to be applied to metal coils, such as steel and aluminum, even before they are transformed into final products.

With our DURACOIL coating line, you get more than just a coating: it protects your coils from corrosion, weathering and wear. The uniform and precise application of these coatings provides complete and consistent coverage across the entire surface, ensuring results free from gaps or imperfections.

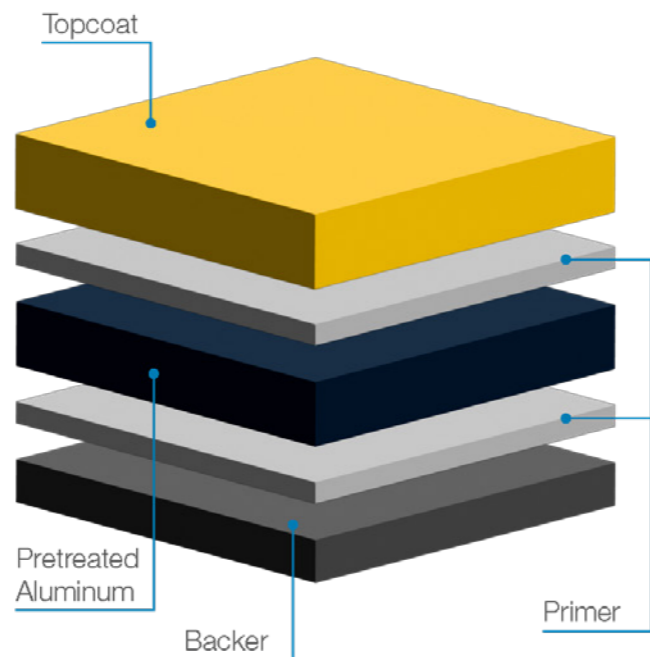


# DURACOIL Line: Polyester, Superpolyester, FEVE, PVDF and Polyurethane

## 1. Polyester

With versatility and high resistance, this coating provides excellent protection against corrosion and fading, maintaining aesthetics for long periods.

**Ideal for:** civil construction, household appliances and metal furniture.



### Primer

- It has high-performance, corrosion inhibiting pigmentation.
- Excellent adhesion to metal substrates such as galvalume, HDG and CRS aluminum.

### Top Coat

- Good adhesion to various primers/substrates (on recommendation).
- Good color and gloss retention.
- Good resistance to atmospheric agents and some solvents.

### Backer

- Good adhesion to various substrates (on recommendation).
- Good adhesion to PU foam, high performance in terms of impact and flexibility.

	BACKER	PRIMER	TOPCOATING
DESCRIPTION	Single-component, baking polyester paint for painting the back of metal coils.	High performance, single-component, baking polyester primer for painting metal coils.	High-performance, single-component, baking polyester top coat for painting metal coils.
COLORS	RAL chart or as per customer standard	Yellow	RAL chart or as per customer standard
VOLUME SOLID	49 ± 2	47 ± 2	51 ± 2
DRY THICKNESS	9 – 11 micrometers	4 – 6 micrometers	18 – 22 micrometers
THEORETICAL COVERAGE	49 m <sup>2</sup> /liter with dry thickness of 10 micrometers	96 m <sup>2</sup> /liter with dry thickness of 5 micrometers	25 m <sup>2</sup> /liter with dry thickness of 20 micrometers
IMPACT	80 Lb/in <sup>2</sup>	80 Lb/in <sup>2</sup>	80 Lb/in <sup>2</sup>
PENCIL HARDNESS	F – 3H	Minimum 4B	F – 3H
SOLVENT RESISTANCE	50 cycles, double rub, MEK	20 cycles, double rub, MEK	100 cycles, double rub, MEK
FLEXIBILITY	1T, NTO	2T, NTO	2T, NTO

## Solutions designed to meet demands

The DURACOIL Line offers a variety of product solutions with a range of resins, textures and customized gloss levels, providing:

- Hardness;
- Scratch resistance;
- High durability;
- UV resistance;
- Excellent anticorrosive performance.

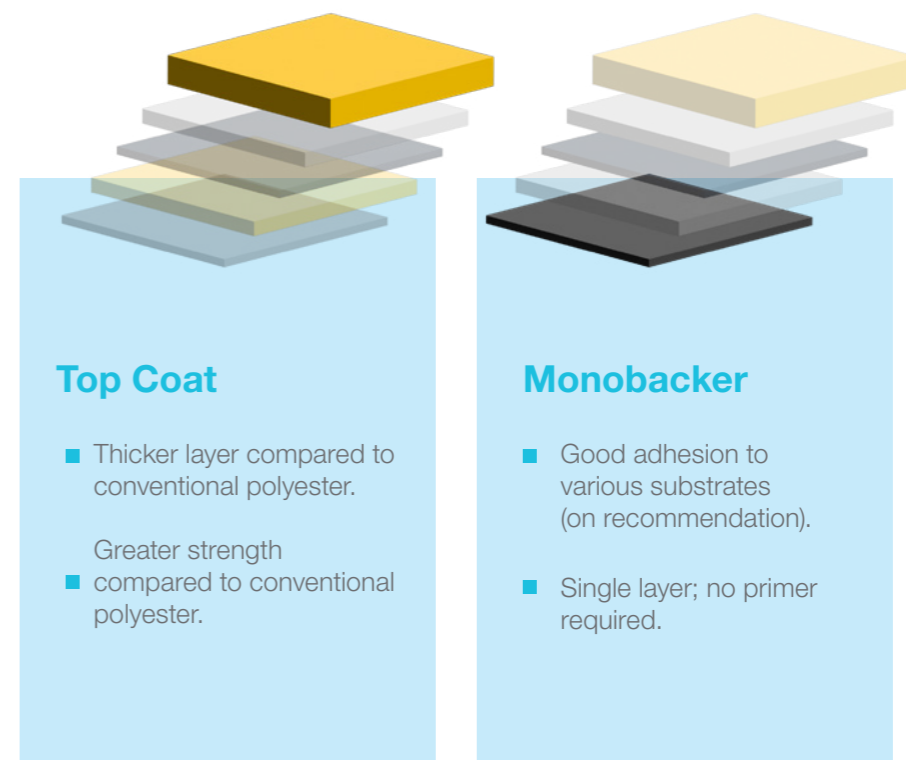
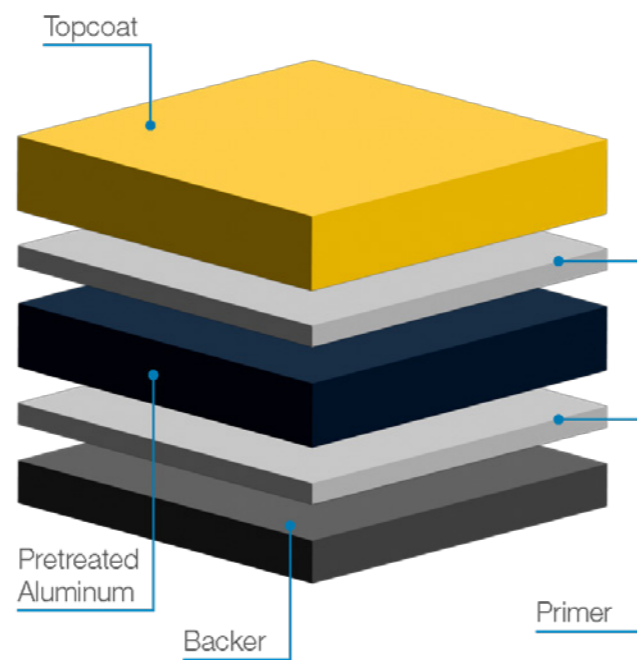
## 2. Superpolyester

The outstanding durability of this coating ensures a long lifespan for products, with great protection against weather, UV rays and chemicals.

Single-component, baking polyester paint for painting the back of metal coils. Good adhesion to various substrates (on recommendation).

**Ideal for:** External environments with weathering.

	MONOBACKER	TOPCOATING
DESCRIPTION	It provides improved resistance to temperature, corrosion and solvents, as well as good adhesion to PU foam, high impact resistance and flexibility.	Excellent color and gloss retention, high resistance to atmospheric agents and some solvents, high performance in terms of hardness, impact and flexibility.
COLORS	RAL chart or as per customer standard	RAL chart or as per customer standard
VOLUME SOLID	49 ± 2	49 ± 2
DRY THICKNESS	9 – 11 micrometers	18 – 22 micrometers
THEORETICAL COVERAGE	49 m <sup>2</sup> /with dry thickness of 10 micrometers	24 m <sup>2</sup> /liter with dry thickness of 20 micrometers
IMPACT	80 Lb/in <sup>2</sup>	80 Lb/in <sup>2</sup>
PENCIL HARDNESS	F – 3H	F – 3H
SOLVENT RESISTANCE	50 cycles, double rub, MEK	100 cycles, double rub, MEK
FLEXIBILITY	1T, NTO	2T, NTO



### 3. POLYURETHANE

With greater durability than the polyester coating, it allows for a thicker layer, ensuring a longer lifespan for products against weather conditions and chemical products.

**Ideal for:** Highly aggressive environments.

### 4. SUPERPOLYURETHANE

With greater durability than the polyester coating, the Coil Coating with high-build PU (polyurethane) or superpolyurethane refers to a coating application process with rolls that allows for a thicker layer, ensuring a longer lifespan for the products.

**Ideal for:** Highly aggressive environments.

### 5. FEVE

FEVE, or fluoropolymer ethylene vinyl ether, is a type of polymer that contains fluorine in its molecular structure. These polymers are known for their outstanding chemical and weather resistance properties, making them valuable in a variety of industrial applications, especially in surface coatings.

They are widely used in industries such as architecture, automotive and corrosion protection coatings due to their durability and ability to maintain color and gloss for long periods of time, even in harsh environments.

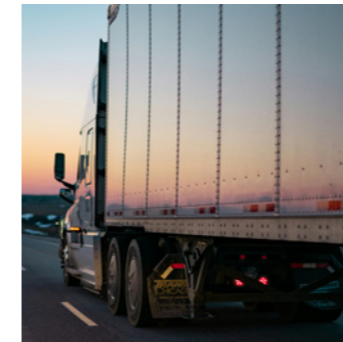
**Ideal for:** Industrial and architectural applications, such as facade and metal roof coatings, where corrosion protection and maintaining aesthetics are crucial.

## Applications

The Coil Coatings are a versatile and essential technology for the protection and finishing of metal products, widely used in various industrial segments.

#### Civil Construction

Used in facade panels, roofs, doors and windows, these coatings provide corrosion resistance and weather protection, with various colors and finishes to meet the aesthetic and functional requirements of architectural projects.

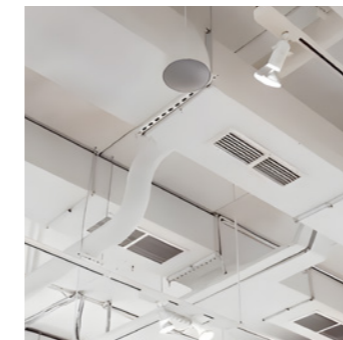
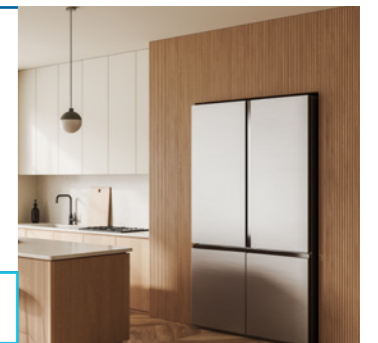


#### Transportation

Used on external and internal vehicle parts, such as bodywork, fenders, door panels and interior components, the Coil Coatings provide protection against corrosion and abrasion, contributing to durable and attractive finishes.

#### Household Appliances.

Widely used in the manufacture of home appliances such as refrigerators, stoves, washing machines and microwave ovens, these coatings offer resistance to oxidation, stains and scratches, keeping appliances looking new and modern over time.



#### Industrial Equipment and ACM

In various industrial equipment, such as storage tanks, pipelines, metal structures and machines, the Coil Coatings guarantee maximum protection against corrosion and contribute to maintaining the structural integrity of the components.

**CHECK OUT**  
OTHER COATING  
SOLUTIONS

The scope of WEG Group solutions is not limited to the products and solutions presented in this brochure.

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