



**MARCEGAGLIA  
CARBON STEEL**

**PRE-PAINTED STEEL PRODUCTS**

# ALL THE **COLORS** OF STEEL

MARCEGAGLIA CARBON STEEL'S  
EXPERTISE AND KNOW-HOW  
IN THE TRANSFORMATION  
OF CARBON STEEL FLAT PRODUCTS  
HAS LED TO THE CREATION  
OF MARCEGAGLIA PRE-PAINTED STEEL,  
MANUFACTURED TO THE HIGHEST QUALITY  
STANDARDS TO GUARANTEE EXCELLENT  
FLEXIBILITY AND DURABILITY OVER TIME.

# INDEX

- MARCEGAGLIA GROUP
- PRE-PAINTED STEEL PRODUCTS
- STANDARD COATING SYSTEM
- SPECIAL COATING SYSTEM

# MARCEGAGLIA GROUP

# GLOBAL PLAYER IN STEEL

MARCEGAGLIA IS THE ITALIAN INDUSTRIAL GROUP LEADING THE EUROPEAN AND WORLDWIDE STEEL MARKET. A UNIQUE COMBINATION OF THE DYNAMIC ITALIAN FAMILY BUSINESS MODEL WITH THE GREAT OPERATING CAPACITY AND PRESENCE IN THE INTERNATIONAL MARKETS, TYPICAL OF THE LARGE CORPORATIONS.

**5.3 BILLION EUROS SALES**  
**5.1 BILLION EUROS TURNOVER**  
OF MARCEGAGLIA STEEL  
**5.8 MILLION TONS**  
PROCESSED YEARLY  
**6.500 EMPLOYEES**  
**25 STEEL PLANTS**  
**60 SALES OFFICES**

**1<sup>ST</sup> INDEPENDENT PLAYER**  
IN STEEL PROCESSING SECTOR IN THE WORLD  
**1<sup>ST</sup> PRODUCER OF STAINLESS STEEL**  
**WELDED TUBES** IN THE WORLD  
**1<sup>ST</sup> PRODUCER OF CARBON STEEL**  
**WELDED TUBES** IN EUROPE  
**1<sup>ST</sup> SERVICE CENTER** IN ITALY

# CORPORATE CULTURE

INDEPENDENCE, DYNAMISM, RESILIENCE, COMPETENCE, VERSATILITY, REACTIVITY: IN SIXTY YEARS OF HISTORY, THESE DISTINCTIVE VALUES MADE MARCEGAGLIA THE PRIVILEGED PARTNER IN THE STEEL PROCESSING INDUSTRY.

THE COMPANY CULTURE IS BASED ON PEOPLE CENTRICITY AND SHARING OF THE SAME KEY VALUES WHICH ARE SHAPING MARCEGAGLIA UNIQUE BUSINESS MODEL.

# STEEL CORE

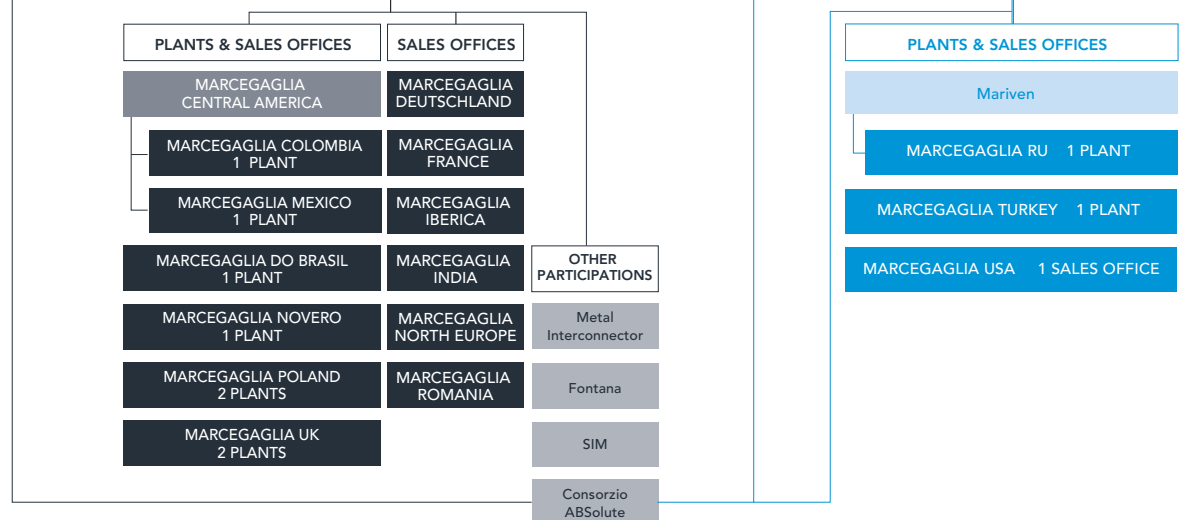
CORE BUSINESS ACTIVITIES, CONTROLLED BY MARCEGAGLIA STEEL (HOLDING COMPANY, WHICH REPRESENTS 95% OF TOTAL ACTIVITIES), ARE ORGANIZED THROUGH THREE DIFFERENT OPERATING COMPANIES: MARCEGAGLIA CARBON STEEL AND MARCEGAGLIA RAVENNA WITH THE FLAT PRODUCTS AND WELDED TUBES DIVISIONS, MARCEGAGLIA SPECIALTIES AND MARCEGAGLIA GAZOLDO INOX WITH THE STAINLESS PRODUCTS AND COLD DRAWN BARS DIVISIONS, MARCEGAGLIA PLATES FOR THE HEAVY PLATES PRODUCTION.

MARCEGAGLIA INVESTMENTS IS THE HOLDING FOR THE DIVERSIFIED ACTIVITIES (5% OF TOTAL ACTIVITIES).

MARCEGAGLIA HOLDING

MARCEGAGLIA STEEL

MARCEGAGLIA INVESTMENTS



EMPLOYEES	TURNOVER (M/€)		PRODUCTION (KT/y)	
	FLAT PRODUCTS	WELDED TUBES	FLAT PRODUCTS	WELDED TUBES
4,300	3,450 TOTAL		4,650 TOTAL	
	2,300	1,150	3,100	1,550

E	T (M/€)		P (KT/y)	
	STAINLESS STEEL PRODUCTS	COLD-DRAWN BARS	STAINLESS STEEL PRODUCTS	COLD-DRAWN BARS
1,000	1,350 TOTAL		700 TOTAL	
	1,200	150	500	200

E	T (M/€)	P (KT/y)	E	T (M/€)	P (KT/y)
100	250	400	1,100	250	50

# STEEL IN THE WORLD

## MARCEGAGLIA CARBON STEEL

### Gazoldo degli Ippoliti HQ

Boltiere, ITA  
Casalmaggiore, ITA  
Corsico, ITA  
Dusino San Michele, ITA  
Lainate, ITA  
Lomagna, ITA  
Osteria Grande, ITA  
Rivoli, ITA  
Tezze sul Brenta, ITA  
Dudley, UK  
Rotherham, UK  
Funza, Colombia  
Garuva, Brazil  
Kluczbork, Poland  
Praszka, Poland  
Querétaro, Mexico

### SALES OFFICES

Barcelona, Spain  
Cluj, Romania  
Düsseldorf, Germany  
Luxembourg, Luxembourg  
Lyon, France  
Pune, India

## MARCEGAGLIA RAVENNA

Ravenna, ITA

### HARBOURS AND RAIL TERMINALS

Ravenna, ITA  
San Giorgio di Nogaro, ITA

## MARCEGAGLIA SPECIALTIES

### Gazoldo degli Ippoliti HQ

Contino, ITA  
Forlì, ITA  
Istanbul, Turkey  
Vladimir, Russia

### SALES OFFICES

Munhall, USA

## MARCEGAGLIA GAZOLDO NOX

Gazoldo degli Ippoliti, ITA

## MARCEGAGLIA PLATES

### Gazoldo degli Ippoliti HQ

San Giorgio di Nogaro, ITA

### OUR MAIN LOGISTIC HUBS

Kolding, Gdansk, Newport, Antwerpen,  
Hagen, Siegen, Karlsruhe, Lyon, Constanta,  
Gemlik, Tarragona

■ **mx**

■ **co**

■ **br**

uk. ■ lu ■ pl ■ ru  
fr ■ de ■ ro  
es ■ it ■ tr  
in ■

### Gazoldo degli Ippoliti

Boltiere

Lomagna

Lainate

Rivoli

Dusino San Michele

Corsico

Casalmaggiore

Forlì

Contino

San Giorgio di Nogaro

Tezze sul Brenta








Osteria Grande






Ravenna

MARCEGAGLIA

# PRODUCT RANGE

## MARCEGAGLIA CARBON STEEL








-  CARBON STEEL COILS
-  CARBON STEEL STRIPS
-  CARBON STEEL SHEETS
-  CARBON STEEL WELDED TUBES
-  COLD-DRAWN WELDED TUBES
-  REFRIGERATION TUBES
-  HOT DIP GALVANIZED COILS

-  HOT DIP GALVANIZED STRIPS
-  HOT DIP GALVANIZED SHEETS
-  PRE-PAINTED COILS
-  PRE-PAINTED STRIPS
-  PRE-PAINTED SHEETS

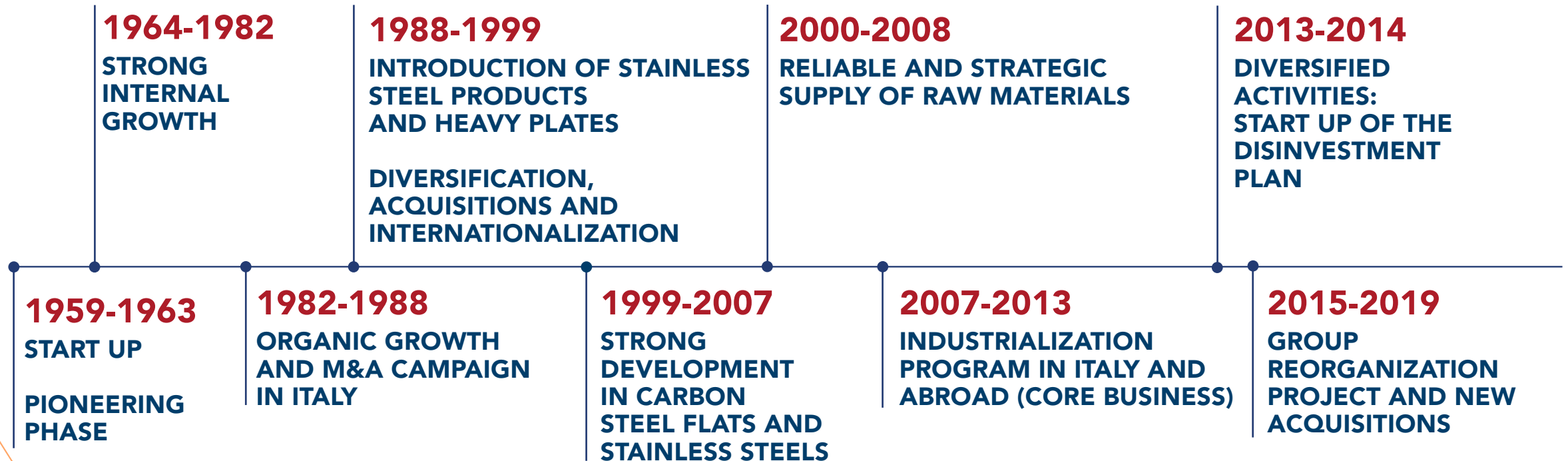
## MARCEGAGLIA PLATES

-  HEAVY PLATES

## MARCEGAGLIA SPECIALTIES

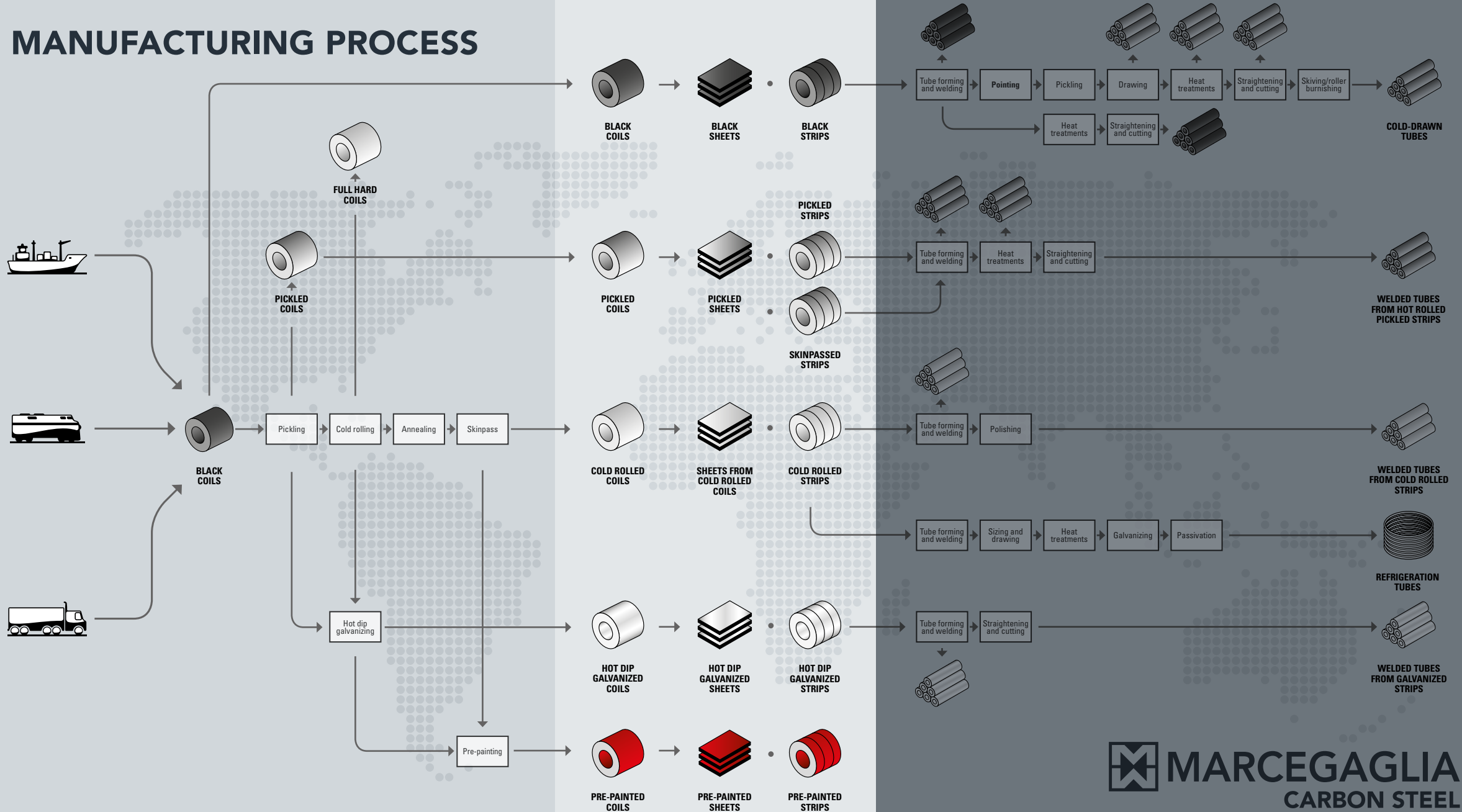
-  STAINLESS STEEL COILS
-  STAINLESS STEEL STRIPS
-  STAINLESS STEEL SHEETS
-  STAINLESS STEEL WELDED TUBES
-  CARBON AND STAINLESS STEEL COLD-DRAWN BARS
-  STAINLESS STEEL FLAT BARS
-  STAINLESS STEEL COLD FORMED SECTIONS

# THE STORY OF THE GROUP



# PRE-PAINTED STEEL PRODUCTS

# MANUFACTURING PROCESS



# MARCEGAGLIA RAVENNA

Marcegaglia Ravenna covers an area of over **540,000** square meters, 225,000 of which are indoor, between the left bank of the port-channel and the industrial area that runs along the sea to the north of the city.

It is equipped with the **most modern plant engineering facilities** and the **most advanced production technologies** for chemical pickling, cold rolling, static annealing, galvanizing and pre-painting of coils, as well as a service center for the leveling and cutting of carbon steel coils.

The factory also acts as the **main intermodal logistics** hub for all the Marcegaglia industrial and commercial activities.

**PICKLING 3,000,000 TPY**

**COLD ROLLING 2,200,000 TPY**

**ANNEALING 650,000 TPY**

**SKINPASS 750,000 TPY**

**HOT DIP GALVANIZING 1,900,000 TPY**

**PRE-PAINTING 600,000 TPY**

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# MARCEGAGLIA RAVENNA

The painting lines for the organic coil coating of steels according to EN 10169 are at the cutting edge for efficiency and production flexibility, thanks also to the **large galva-painting line** - 200 meters the combined installation length - dedicated to HSLA steels and low carbon content.

# A COLOR FOR EVERY NEED

A suitable painting characterizes the product in its identity and in its level of protection giving to the product a **high customization joined to the uses and to the different application's fields.**

The choice of the most suitable coating system, both as a function of the requests in terms of physical/chemical properties and the desired surface appearance is a **key element for the finished product.**



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# PRE-PAINTED STEEL COILS

2 LINEE DI PREVERNICIATURA  
600,000 MANUFACTURING CAPACITY

THICKNESS: 0.25/2.00 MM

WIDTH: UP TO A 1,500 MM

MAX WEIGHT: 35 TON

MAX OUTSIDE DIAMETER: 2,150 MM

RESIN RANGE:  
POLYESTER,  
MODIFIED POLYESTER/POLYURETHANE,  
POLYAMIDE, FLUORO-CARBON,  
HIGH FLEXIBILITY POLYESTER, VINYL,  
HIGH-THICKNESS PAINT SYSTEMS

Min. - Max. thickness (mm) 0.25 - 2,00

Min. - Max. width (mm) 45 - 1.500

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# PRE-PAINTED STRIPS AND SHEETS

## STRIPS

Min. - Max. thickness (mm) 0.3 - 2,00

Min. - Max. width (mm) 29 - 1.500

## SHEETS

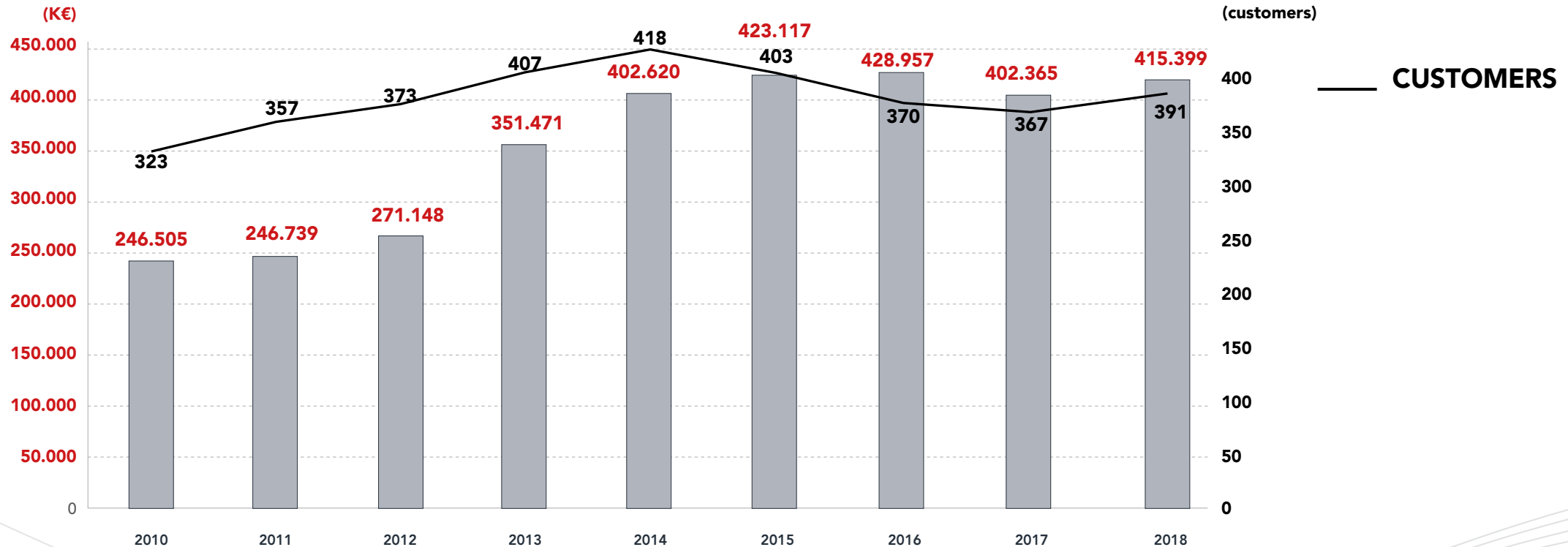
Min. - Max. thickness (mm) 0,5 - 2,00

Min. - Max. width (mm) 200 - 1.500

Length (mm) 500 ÷ 6.000

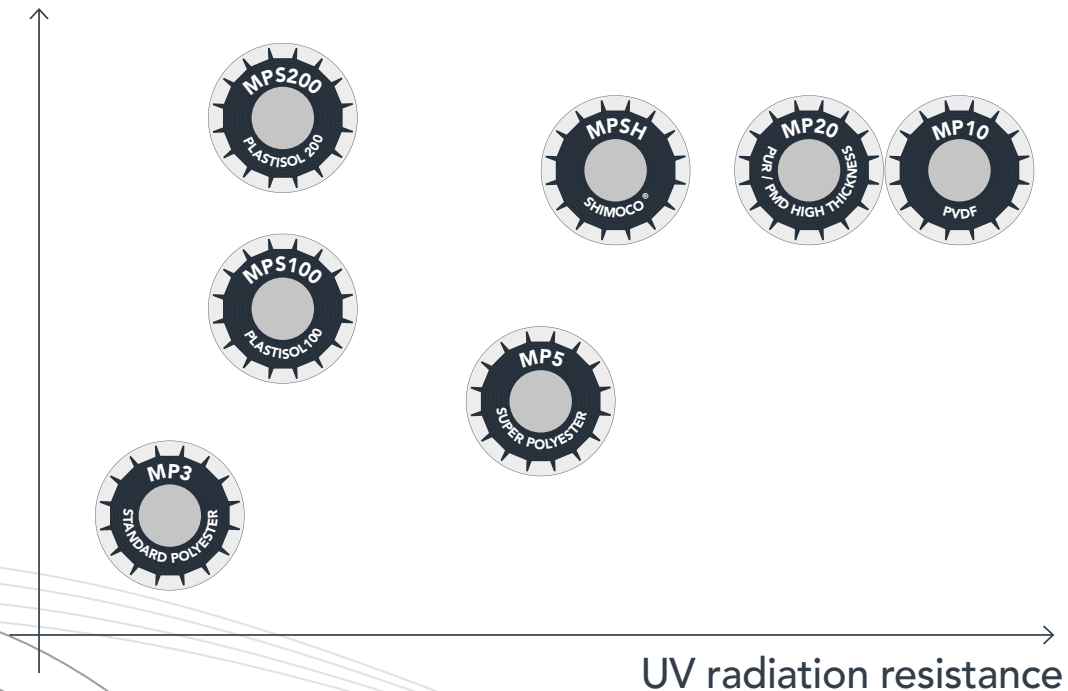
# PPGI TREND VOLUMES

2010-2018 MARCEGAGLIA CUSTOMERS • WORLDWIDE



# COATING SYSTEMS PERFORMANCE

Chemical resistance



Marcegaglia coating systems differ according to their performance, in particular in chemical and UV resistance.

Starting with the standard MP3 system, the MP20 and MP10 systems have the best performance.

Coating systems can be applied on both sides, in RAL, NCS colors and, they can be customised on request.

# STANDARD COATING SYSTEM

# MP1 - M2P1\*

**Resin range:** Polyester

**Thickness top:**

15  $\mu\text{m}$  + 5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Building sector (interiors).  
Low chemical resistance requirements.  
Demi-gloss polyester resins only.

**Installing:** For internal use, low resistance requirements

**Warranty:** N.A.

**15  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat

\* M2P1 double side



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# MP3 - M2P3\* - MP3AS\*

**Resin range:** Polyester

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Building sector - siding, roofing and sandwich panels

**Installing:** Standard, with low pollution levels

**Warranty:** 10 years (in case of 15 $\mu$  of primer warranty becomes 12 years)

**20  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat

\* **M2P3** double side, **MP3AS** (5  $\mu\text{m}$  of primer, instead of 5  $\mu\text{m}$ )



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# MP3HF

**Resin range:** Polyester

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Profiles, frames, shutters.  
Suitable for deep drawing and hard bending,  
also on high thickness material.

**Installing:** For indoor applications

**Garanzia:** N.A

**20  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat

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PPGI



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# MP4 - M2P4\* - MP4AS\*

**Resin range:** Polyester-polyamide

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Building sector - gutters, flashings, general roofing. Non-slip and wrinkled finish available.

**Installing:** Standard, with low pollution levels

**Warranty:** 10 years

**20  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat

\* **M2P4** double side, **MP4AS** (15  $\mu\text{m}$  of primer, instead of 5 $\mu\text{m}$ )



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# MP4U - MP4UAS\*

**Resin range:** Polyurethane/polyamide

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Building sector - gutters, flashings, general roofing.

**Installing:** Standard, with low pollution levels. Improved chemical resistance compared to MP4U.

**Warranty:** 15 years

**20  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
primer o back coat

\* MP4UAS 15  $\mu\text{m}$  of primer, instead of 5  $\mu\text{m}$



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# MP5 - M2P5\* - MP5AS\*

**Resin range:** Super polyester / polyurethane

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Building sector (insulating panels, trapezoidal corrugated sheets). Increased workability, duration, chemical resistance.

**Installing:** Medium pollution levels.

**Warranty:** 12 years (in case of 15  $\mu\text{m}$  of primer warranty becomes 15 years)

**20  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat

\* **M2P5** double side, **MP5AS** (15  $\mu\text{m}$  of primer, instead of 5  $\mu\text{m}$ )



**MARCEGAGLIA**  
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# MP10 - M2P10\* - MP10AS\*

**Resin range:** Polivinilidenfluoruro (PVDF)  
70/30 Kynar 500

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Walls at sight, roofing, insulating panels for installation in high pollution / high UV radiation areas.

**Installing:** Walls at sight, roofing, insulating panels for installation in high pollution / high UV radiation areas.

**Warranty:** 15 years (in case of 15 $\mu$  of primer warranty becomes 20 years)

\* **M2P10** double side, **MP10AS** (15  $\mu\text{m}$  of primer, instead of 5  $\mu\text{m}$ )

**20  $\mu\text{m}$**   
finishing top coat

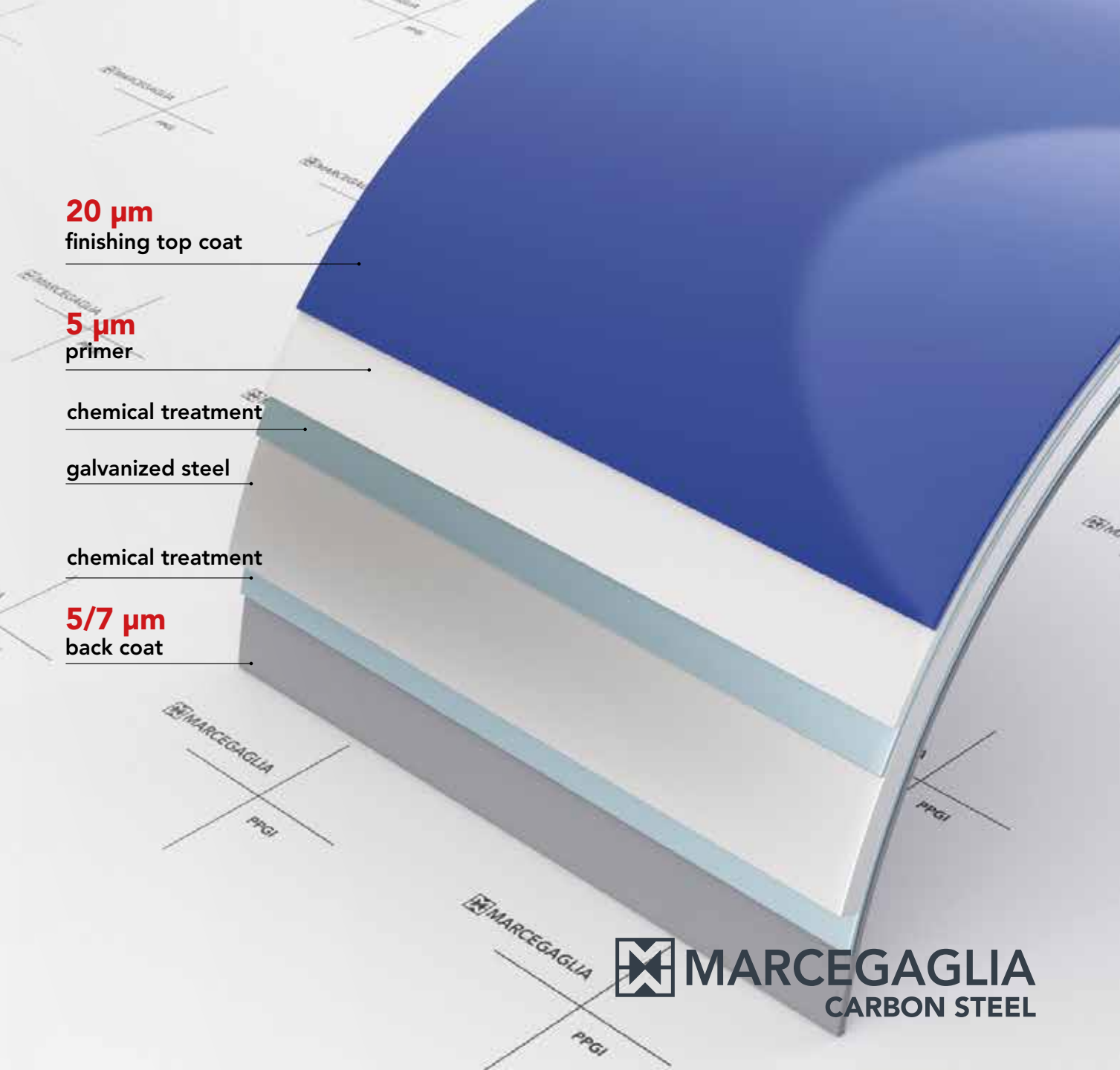
**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat



**MARCEGAGLIA**  
CARBON STEEL

# MP20

**Resin range:** Reinforced polyurethane with polyamide

**Thickness top:** 30  $\mu\text{m}$   
+30  $\mu\text{m}$  primer + 12  $\mu\text{m}$  backcoat

**Application:** Ensures performances comparable with systems based on plastisol (chemical resistance) and PVDF (UV radiation resistance).

**Installing:** High pollution / high UV radiation levels, industrial and seaside areas

**Warranty:** 30 years

**30  $\mu\text{m}$**   
finishing top coat

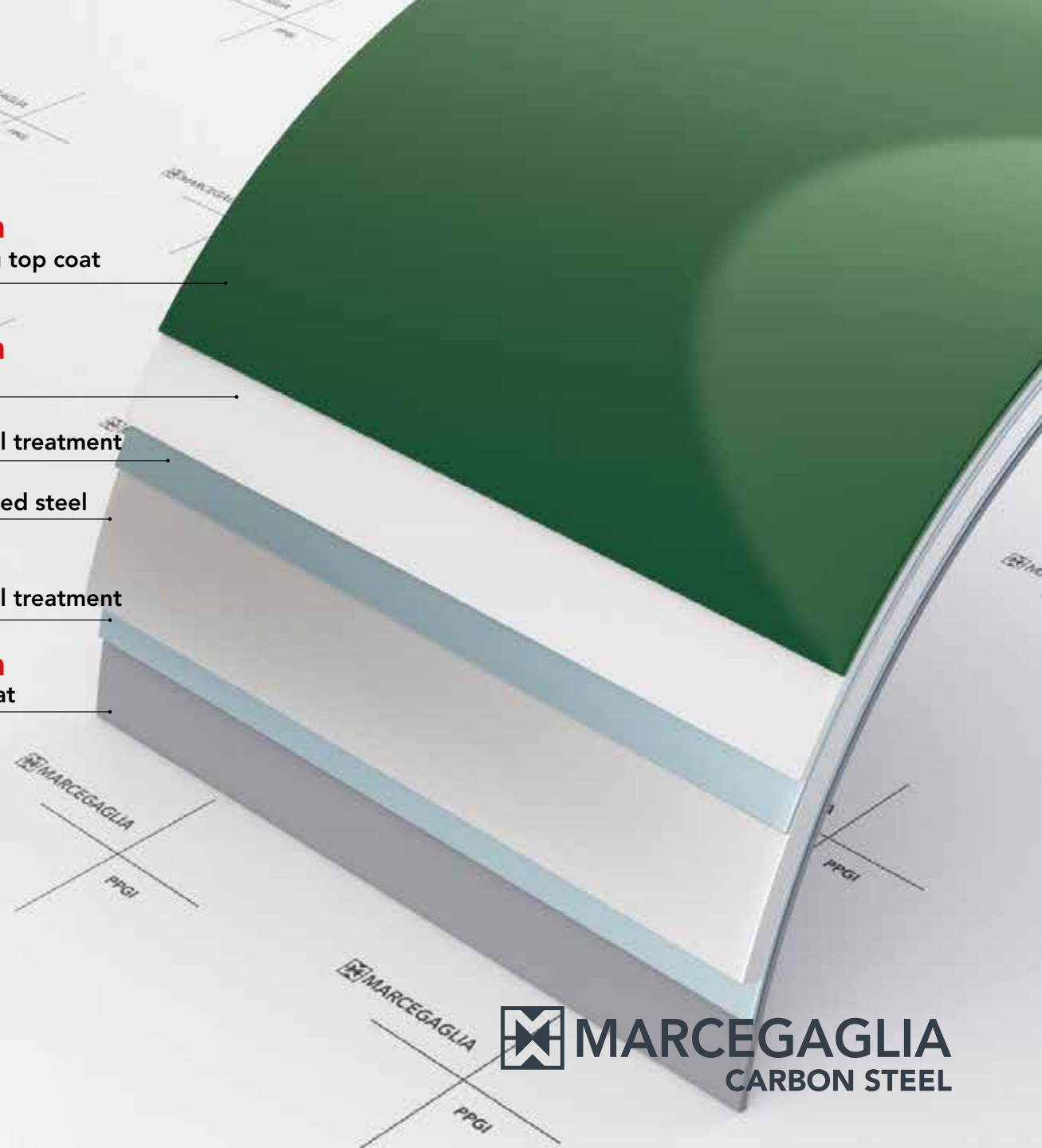
**30  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**12  $\mu\text{m}$**   
back coat



**MARCEGAGLIA**  
CARBON STEEL

# MP20S

**Resin range:** Polyurethane

**Thickness top:** 30  $\mu\text{m}$   
+ 20  $\mu\text{m}$  primer + 10  $\mu\text{m}$  backcoat

**Application:** Building sector - roofing and wall.

**Installing:** This cycle is recommended for use both in normal environments and in environments where the radiation conditions are particularly severe

**Warranty:** 35 years

**30  $\mu\text{m}$**   
finishing top coat

**20  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**10  $\mu\text{m}$**   
back coat



**MARCEGAGLIA**  
CARBON STEEL

# MPC - 1 - 2 - 3 - 4 - 4Z SERIES

**Resin range:** Polyester/epoxy-polyester

**Thickness top:** 5÷15 µm primer  
+ 5÷15 µm backcoat

**Application:** Expressly developed for the manufacturing of drum packaging. The non-toxic back coat is designed for the inside. For the shelving industry and for products suitable for subsequent painting or welding.

**Installing:** High pollution levels, high levels of UV radiation, industrial and maritime areas. Applications: drums, monolayer. Primed for painting, weldable, shelving.

**Warranty:** N.A

**5÷15 µm**  
finishing top coat

chemical treatment

galvanized steel

chemical treatment

**5÷15 µm**  
back coat / primer



**MARCEGAGLIA**  
CARBON STEEL

# MPE - MP4\*

**Resin range:** Polyester

**Thickness top:** 20  $\mu\text{m}$   
+5  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** High aesthetic properties, top level workability, good chemical resistance for applications in the household appliance sector.

**Installing:** For indoor applications.

**Warranty:** N.A

**20  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat

\* MP4 textured finish



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# MPFLEX-MPLEX50

M2PFLEX\* - M2PFLEX50\*

**Resin range:** Polyurethane/polyamide

**Thickness top:** 20  $\mu\text{m}$

+ 15  $\mu\text{m}$  or 30  $\mu\text{m}$  primer + 5/7  $\mu\text{m}$  backcoat

**Application:** Complete systems for gutters, pipes and downpipes, water collectors and accessories.

**Installing:**

Standard, with low pollution level

**Warranty:** At least 15 years for M2PFLEX  
at least 20 years for M2PFLEX50

20  $\mu\text{m}$   
finishing top coat

15/30  $\mu\text{m}$   
primer

chemical treatment

galvanized steel

chemical treatment

5/7  $\mu\text{m}$   
back coat

\* M2PFLEX and M2PFLEX50 double side



**MARCEGAGLIA**  
CARBON STEEL

# SPECIAL COATING SYSTEM

# MPSH

## SHIMOCO®

**Resin range:** Modified polyester

**Coating:** 30 µm primer  
+ 30 µm super-polyester paint  
superpoliestere-wrinkled

**Application:** Roofing, cladding and façades

**Installing:** Medium pollutions level

**Warranty:** 30 years

**30-40 µm**  
finishing top coat

**30 µm**  
primer

chemical treatment

galvanized steel

chemical treatment

**5 µm + 7 µm**  
back coat



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# MPSH

SHIMOCO®

Marcegaglia SHIMOCO® coating system is formulated to allow the best **UV and corrosion resistance**, guaranteeing the maximum **flexibility** and **durability**, while performing sophisticated and intrinsic architectural and **aesthetic values** thanks to the paint structure pattern.

SHIMOCO® polyester coating system is **free of hexavalent chromium** and **heavy metals**. Developed mainly for **roofing** application, it is suitable also for **cladding** and **façades**.



**RAL 8017**  
chocolate brown



**RAL 3009**  
oxide red



**RAL 9005**  
jet black

# MPSTONE - MPSTONE AS - MPSTONE20

## ARDESIA

Resin range: Polyester

### Coating:

MPSTONE 25  $\mu\text{m}$

MPSTONE AS 35  $\mu\text{m}$

MPSTONE20 45  $\mu\text{m}$

**Application:** Roofing, walls and sectional doors

**Warranty:** N.A

up to 45  $\mu\text{m}$   
finishing top coat

primer

chemical treatment

galvanized steel

chemical treatment

5/7  $\mu\text{m}$   
back coat

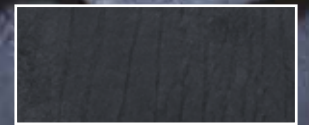


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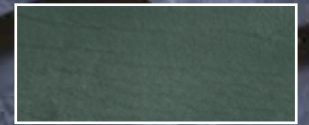
# ARDESIA

The name ARDESIA identifies a steel painted with a polyester having a wrinkled surface. It is studied specifically for the production of **coverages characterized by a "false roof tile" aspect** or anyhow with a 0 gloss tendency; the prepainted product can be compared to the **Marcegaglia MP4 system**, with a foreseen average duration of at least **10 years**.

Developed mainly for **roofing** application, it is suitable also for walls and sectional **doors**.



black



green



blue-grey



brown

# MPWI - MPWOS - MPSWOR

## WOODEN PATTERN

**Resin range:** Super polyester

### Coating:

30  $\mu\text{m}$  for indoor

35  $\mu\text{m}$  for outdoor applications

**Application:** Roofing, cladding and façades

**Warranty:** Up to 15 year

(also per the cycle without primer)

**up to 35  $\mu\text{m}$**

transparent finishing top coat

ink polyester

basecoat

primer

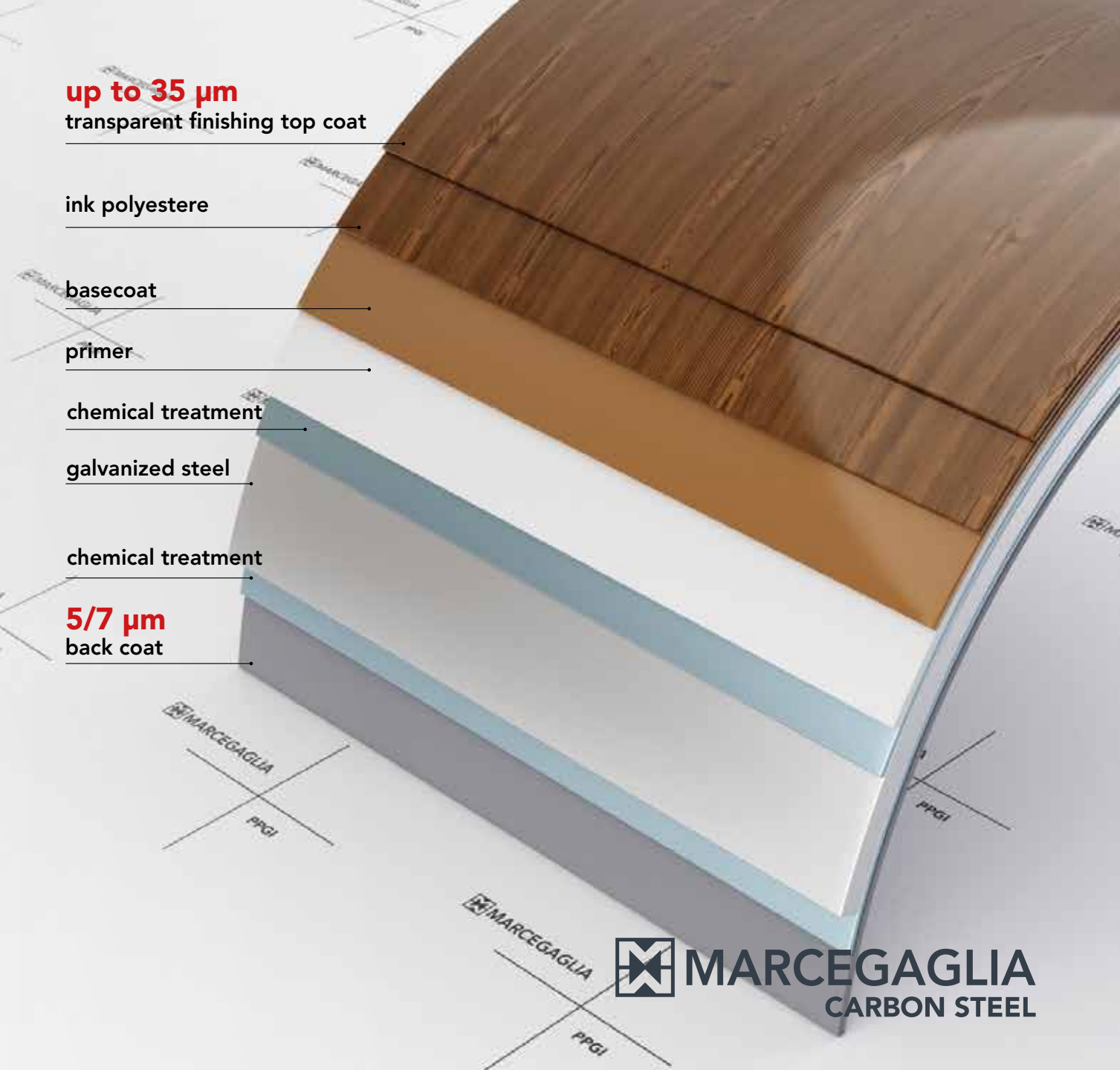
chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**

back coat



**MARCEGAGLIA**  
CARBON STEEL

# WOODEN PATTERN

Marcegaglia coating system  
WOODEN PATTERN is specifically formulated for **indoor** or **outdoor** applications performing the best **UV and corrosion resistance**, while guaranteeing the maximum **durability**: thanks to its distinctive pattern, this new system performs sophisticated and intrinsic **architectural and aesthetic values** representing an alternative for **structural and construction projects**.



maple



golden oak



dark oak



black walnut



**MARCEGAGLIA**  
CARBON STEEL

# MPS200 - MPS100

## PLASTISOL

**Resin range:** Polyvinyl chloride (PVC)

**Coating:**

7+120  $\mu\text{m}$  (MPS100)

7+200  $\mu\text{m}$  (MPS200)

**Application:** Roofing, cladding and façades

**Installing:** High pollutions level

**Warranty:** Up to 30 years

**up to 207  $\mu\text{m}$**   
finishing top coat

primer

chemical treatment

galvanized steel

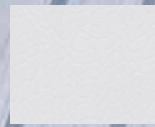
chemical treatment

**5/7  $\mu\text{m}$**   
back coat

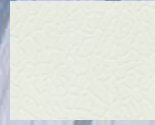


**MARCEGAGLIA**  
CARBON STEEL

# PLASTISOL



**M13B5**  
pure white



**M13B1**  
grey white



**M23B11**  
goosewing grey



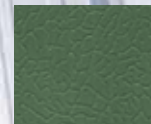
**M23B10**  
merlin grey



**M63B3**  
moorland green



**M63B13**  
olive green



**M63B14**  
juniper green



**M73B4**  
slate blue



**M23B2**  
dusty grey



**M23B6**  
anthracite grey



**M83B1**  
jet black



**M53B2**  
van dyke brown



**M53B1**  
terracotta brown

The only **PVC coating system** suitable for indoor and outdoor applications that ensures up to **30 years of warranty** on products.

## **MPS100**

Suitable for façades and insulated panels for indoor applications

## **MPS200**

Suitable for walls, roofs and insulated panels for outdoor applications (particularly aggressive environment in terms of pollution and industrial areas)

# MPROOF

**Resin range:** super-polyester

**Coating:** 5  $\mu\text{m}$  of primer high resistance  
+ 20  $\mu\text{m}$  of super-polyester paint

**Application:** Roofing and cladding

**Installing:** High pollutions level

**Warranty:** Up to 15 years

The name "MPROOF system" identifies a prepainted steel with **high scratch resistance** and superlative **UV stability**.

**up to 25  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat



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# COPPO

**Resin range:** Polyester + ink

**Coating:** 25  $\mu\text{m}$

**Application:** Residential roofing

**Installing:** Medium pollutions level

**Warranty:** Up to 10 years

**up to 25  $\mu\text{m}$**   
finishing top coat

**5  $\mu\text{m}$**   
primer

chemical treatment

galvanized steel

chemical treatment

**5/7  $\mu\text{m}$**   
back coat



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CARBON STEEL

# COPPO



**COPPO**  
Milano



**COPPO**  
Firenze



**COPPO**  
Siciliano

# TYPICAL APPLICATIONS

A suitable painting characterizes the product in its identity and in its level of protection giving to the product a high customization joined to the uses and to the different application's fields.

The choice of the most suitable coating system, both as a function of the requests in terms of physical/chemical properties and the desired surface appearance is a key element for the finished product.

**STEEL FOR INDUSTRIAL APPLICATIONS**

**STEEL FOR AUTOMOTIVE APPLICATIONS**

**STEEL FOR THE CONSTRUCTION INDUSTRY**

**STEEL FOR HOUSEHOLD APPLIANCES**

**STEEL FOR PACKAGING**

 **MARCEGAGLIA**  
CARBON STEEL

# MARCEGAGLIA COATING SYSTEMS

SISTEM	RUV	CR	TOP	PRIMER	RESIN	FINAL ASPECT	YEARS*
MP1	*	*	15	5	PES	smooth	*
MP3	2	3	20	5	PES	smooth	10
MP3AS	2	4	20	15	PES	smooth	12
MP4	2	3	20	5	PES/PMD	wrinkled/grained	12
MP4AS	2	4	20	15	PES/PMD	wrinkled	15
MP5	3	3	20	5	PUR/PES	liscio/grained	12
MP5AS	3	4	20	15	PUR/PES	liscio/grained	15
M2PFLEX	3	4	20	15	PUR-PMD	grained	15
M2PFLEX50	3	4	20	30	PUR-PMD	grained	20
MP10	4	3	20	5	PVDF	smooth	15
MP10AS	4	4	20	15	PVDF	smooth	20
MPSH	4	5	30	30	PES HD	wrinkled	30
MP20	4	5	30	30	PUR/PMD HD	grained	30
MPS200	4	5	200	7	PLASTISOL	cantilevered	30

\* the duration of the warranty changes according to the external environmental positions and concern the perforation of the sheet metal and paint peeling

# STORAGE AND HANDLING GUIDELINES

**Pre-painted steel is a ready-to-use semi-finished material: please pay attention to the following recommendations in order to increase durability and avoid losses due to damage.**

- Protect the products from moisture, vapours, rain and any risk of condensation
- Avoid contact with or exposure to corrosive substances (chemicals, solvents, toxic vapours)
- Indoor storage (mandatory): ensure proper ventilation and avoid extreme temperatures
- Outdoor storage: not recommended  
Stoccaggio di lunga durata: sistematica e periodica verifica dell'assenza di umidità
- Long-term storage: systematic and regular checks for the presence of humidity.

# STORAGE AND HANDLING GUIDELINES

- Support long pieces with additional blocks positioned at intermediate lengths to prevent them from bending
- Mechanical handling: use pneumatic or magnetic suction cups.
- Protective films on metal surfaces should be removed as soon as possible and no later than the deadline specified by the manufacturer (max. 30 days, not applicable to coils or bundles)

# HANDLING

- When handling with forklifts: use protections on the forks
- Manual handling of long pieces: at least two people must be involved, using clean and dry gloves
- Mechanical movement: use pneumatic or magnetic suction cup

# OUR STEEL BRINGS YOUR WORLD TO LIFE

 **MARCEGAGLIA**  
CARBON STEEL

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[www.marcegaglia.com](http://www.marcegaglia.com)

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1959-2019  
**MARCEGAGLIA**