

Distribution Solutions  
WireSolutions



ArcelorMittal

# ArcelorMittal Marnaval

## Flat wire for wiper arms and flat blades



*Plastiflat*®  
by ArcelorMittal

# Flat wire for wiper arms and flat blades

## ArcelorMittal Marnaval

ArcelorMittal Marnaval is part of WireSolutions, the wire drawing division of ArcelorMittal. Located in Eastern France, the plant is a specialist, amongst other products in flat and shaped wire. With a capacity of around 25,000 tons per year, Marnaval's flat and shaped wires are predominantly used in Construction and Automotive. More than 70% of the production is exported worldwide.

ArcelorMittal Marnaval is one of the world's leaders in wire production for wiper arms and flat blades. Our capacity to deliver different grades and coatings is particularly appreciated by our customers worldwide.

Our products meet the requirements of EN 10016-1, EN 10016-2, EN 10016-3, EN 10016-4 and are ISO 9001 (2008) and OHSAS 18001 certified.

## Wiper arms

We value our customers business and strive to be the preferred supplier as each project is unique, our proactive and dedicated sales team aim to ensure that a close and efficient relationship is always maintained with every customer. Our experience and knowledge of products and processes allow us to provide a surface quality perfectly adapted to different painting lines.

### Technical characteristics

Dimensions (mm)	Coatings	Tensile strengths (MPa)
from 7.00 x 2.50 to 14.00 x 4.00	Uncoated, galvanised or Corzal®*	740 - 900
		1000 - 1200

\*ZnAl

### Tolerances

- ▶ On width  $\pm 0.05$  mm
- ▶ On thickness  $\pm 0.03$  mm

## Packaging

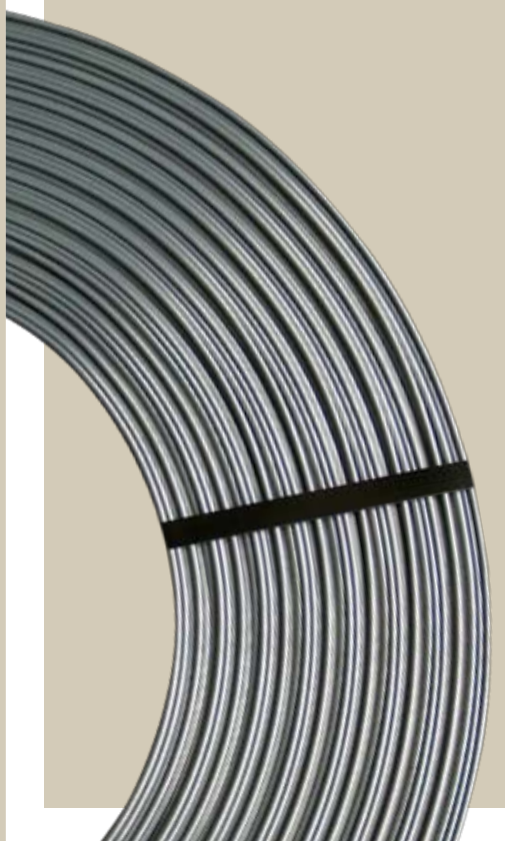
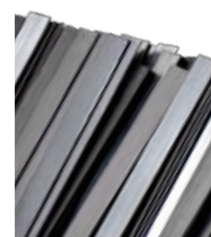
### Coils

- ▶ Internal diameter 400, 480, 550, 600 and 650 mm
- ▶ External diameter 500 to 1200 mm max.
- ▶ Width 200, 250, 300 to 400 mm
- ▶ Weight 300 to 2400 kg max.
- ▶ These characteristics may change according to the section of the wire.



### Cut to length bars

- ▶ Length from 100 to 1000 mm in box pallet or cardboard box of 500 to 1000 kg
- ▶ Length from 1000 to 6100 mm in bundles of 500 to 1500 kg. Plastic wrapping, pallet or wooden blocks, moisture resistant paper
- ▶ Tolerance on length of  $\pm 5.00$  mm





## Plastiflat® flat blades

We are always looking for solutions upon customer requests, ArcelorMittal Marnaval is proud to present **Plastiflat®**, a new manufacturing process for galvanised polyester coated wire for flat blades.

### Technical characteristics

Dimensions (mm)	Coating	Tensile strength (MPa)
from 6.00 x 0.80 to 9.00 x 1.00	Plastiflat®*	1500 - 2100

\*galvanised polyester (galvanised or Corzaf® available upon request)

### Tolerances

- ▶ On width ± 0.05 mm
- ▶ On thickness ± 0.015 mm
- ▶ Colour Black RAL 9005
- ▶ PET coating thickness 50 to 100 µm

## Packaging

### Wooden reels

- ▶ Internal diameter 400 mm
- ▶ External diameter 750 to 1000 mm
- ▶ Width 300 mm payload, 340 mm overall load
- ▶ Weight 200 to 700 kg max.
- ▶ Flasks protected with plastic



## General

Our products can be protected by plastic wrapping, loaded on pallets or wooden blocks and oiled. Packaged in metal containers, these are stackable upon request. All our products are individually identified with labels referring to quality, diameter, cast number, batch number, coil number and coil weight.

**Plastiflat®**  
by ArcelorMittal

### Contact us

For more information or support on any of our products please visit our website: [www.arcelormittal.com/industrialwire](http://www.arcelormittal.com/industrialwire) or contact us at +33 3 25 56 80 76.

**ArcelorMittal Marnaval**

Place Becquey  
52100 Saint-Dizier  
France

T +33 3 25 56 80 76  
F +33 3 25 56 80 03

[www.arcelormittal.com/wiresolutions](http://www.arcelormittal.com/wiresolutions)

