

Roll covers  
for tissue industry

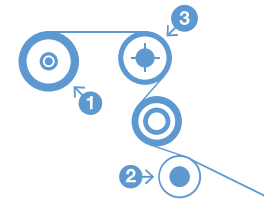
# ABOUT US

Tecno Caucho Rolls & Covers is the Spanish company with the largest production capabilities for rolls and sleeves, covered with **rubber**, **polyurethane**, **composites**, **HVOF** thermal spraying and **plasma** spraying APS.

Nowadays, our eagerness to constantly improve stand out us through our **strong R&D investment**, which is why our rolls, presses and technical component offer encompasses all the industrial materials. That gives us the ability to be able to offer **high efficiency and high-quality solutions** to improve the productivity and functioning of the machinery and manufacturing processes of our customers.

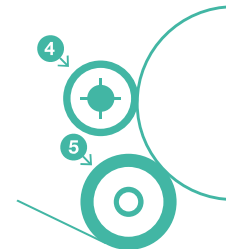


# FIND COVERS FOR EVERY POSITION



## FORMING p4-5

- 1 Former roll
- 2 Guide roll
- 3 Drive roll



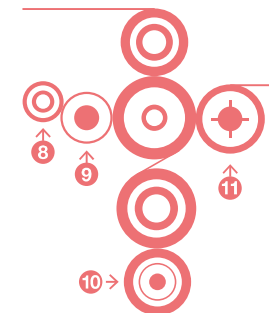
## PRESS p6-7

- 4 Blind press
- 5 Suction press



## WINDING & REELING p8-9

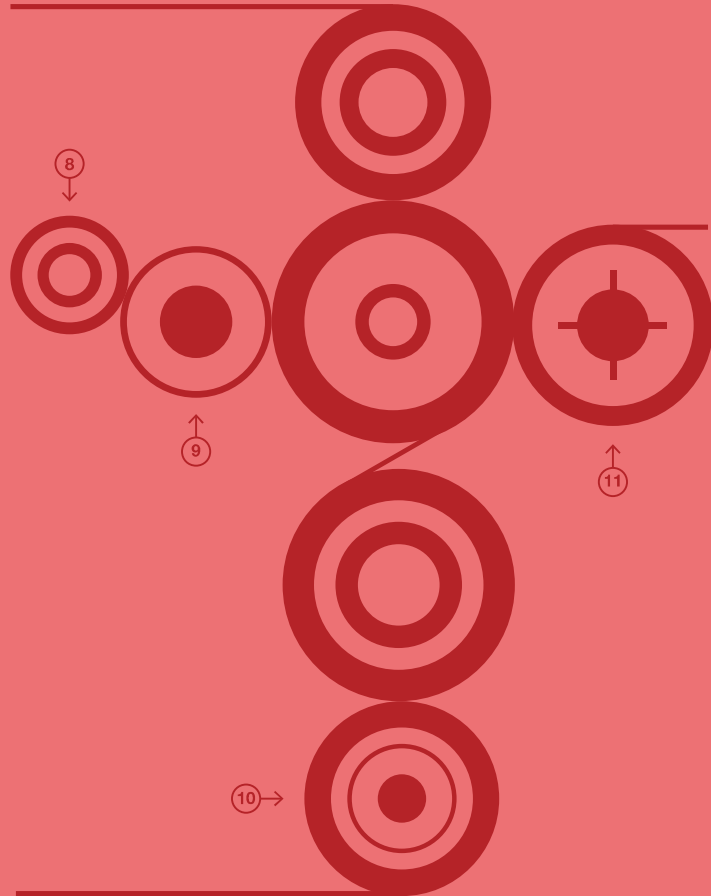
- 6 Reel drum
- 7 Reel spool



## CONVERTING p10-12





- 8 Anilox
- 9 Glue applicator
- 10 Embosser
- 11 Marriage

# CONVERTING








## 8 Anilox




Anilox rolls are used to supply the right amount of adhesive to the applicator rolls so that they can later apply it to the tissue paper layers. Their covers must be corrosion-resistant and easy to clean, as well as have good adhesive transfer properties and good volume stability.

	 Cover Type	 Colour	 Hardness Range	 Cover Thickness
CERALOX	Ceramic	Metallic Green	1400 HV	200 - 1000 µm





Durability		Glue transfer		Volume stability	
 STANDARD 100%	 CERALOX 150%	 STANDARD 100%	 CERALOX 150%	 STANDARD 100%	 CERALOX 140%







Corrosion resistance		Easy cleaning	
 STANDARD 100%	 CERALOX 180%	 STANDARD 100%	 CERALOX 140%

## 9 Glue applicator




This roll position has the function of applying a coating of glue on the paper to subsequently increase the number of layers of the tissue roll by gluing one to the other. The covers used on these rolls must allow the roll to apply adhesive in an optimal and uniform way, so qualities such as dimensional stability or the correct transfer of the adhesive are essential.

	 Cover Type	 Colour	 Hardness Range	 Cover Thickness
ECOGLUE	Rubber +	Black	70 ShA	10 - 15 mm
MAXIGLUE	Polyurethane +	Black	70 ShA	10 - 15 mm





Durability		Dimensional stability		Adhesive transfer	
 STANDARD 100%	 ECOGLUE 120%	 MAXIGLUE 170%	 STANDARD 100%	 ECOGLUE 110%	 MAXIGLUE 160%

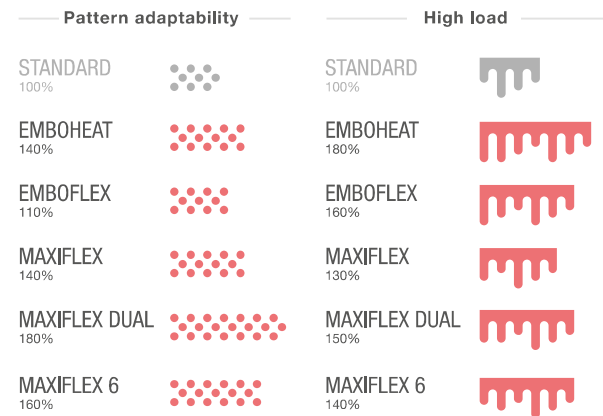
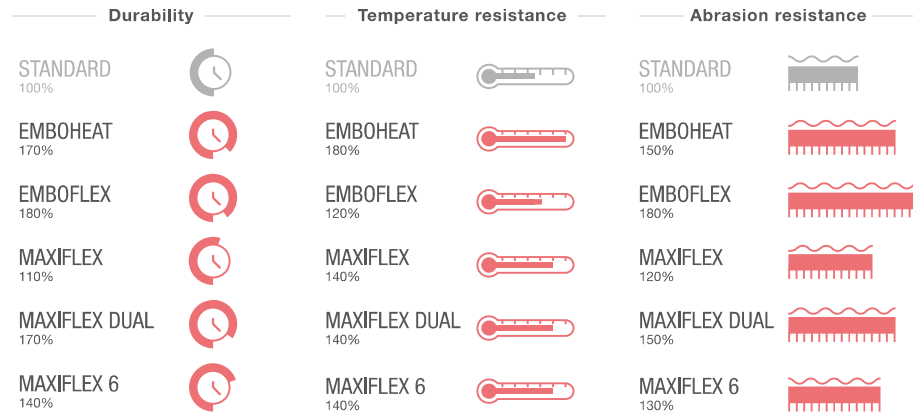
  

Adhesive transfer	
STANDARD 100%	
ECOGLUE 110%	
MAXIGLUE 150%	

# 10 Embosser




This roll position must withstand the high loads exerted by embossing rolls when applying the stencil to the tissue by means of pressure. In addition, they must withstand the high temperatures in which the process is carried out, as well as offering good resistance to abrasion and adaptability to the different patterns that can be embossed on the tissue.

	 Cover Type	 Colour	 Hardness Range	 Cover Thickness
EMBOHEAT	Special Compound	Orange	55 - 65 ShA	12 - 20 mm
EMBOFLEX	Polyurethane	Yellow	65 ShA	12 - 20 mm
MAXIFLEX	Rubber	Violet	55 ShA	12 - 20 mm
MAXIFLEX DUAL	Rubber +	Violet	55 ShA	12 - 20 mm
MAXIFLEX 6	Rubber	Violet	60 ShA	12 - 20 mm



# 11 Marriage

The function of the marring rolls is to bind the different tissue layers together to obtain a final roll of paper that maintains the thickness between the different layers of paper. To achieve this, the covers used on these rolls must offer low specific pressure and marking resistance, as well as good dimensional stability and easy cleaning to obtain quality tissue rolls.

	 Cover Type	 Colour	 Hardness Range	 Cover Thickness
MARRYFLEX	Rubber +	Black	90 ShA	12 - 15 mm
MARRYTOP	Polyurethane	Red	98 ShA	12 - 15 mm
MARRYCHARGE	Rubber +	Black	97 ShA	12 - 15 mm

\* Special feature: Anti-static



# WHY CHOOSE US?

At Tecno Caucho Rolls & Covers we offer a **complete and safe service** thanks to our extensive **knowledge of the sector**. We **manage the complete process** by taking care of the transport, covering, finishing and maintenance services required for each roll.

In addition, our **60 years of experience** allow us to provide **specific advice for each roll** in order to **solve problems** and avoid possible future inconveniences in the durability and rolls operation.

Thanks to this, we offer **customized solutions** for each roll that allow us to **decrease TCO**, **avoiding unexpected shutdowns** and assuring **quality and fast delivery times**.

## RANGE OF SERVICES

### Roll covering

- Rubber.
- Polyurethane.
- Composites.
- HVOF thermal spraying.
- Plasma thermal spraying (APS).

### Surface finishing

- Turning.
- Drilling.
- Grooving.
- Super Finish.
- 3D Grinding.
- Laser Engraving.

### Construction of complete rolls

### Maintenance


- Roll repair.
- Recharging and adjustment of shafts.
- Non-destructive testing with magnetic particles, dye penetrant liquids, ultrasound and thermography.
- Maintenance of suction presses.
- Maintenance of Crown Control Rolls (CCR).
- Dynamic balancing.
- Vibration analysis.

### Advising and optimization

- Press sections.
- Calender and multicalender.
- Troubleshooting and production efficiency.





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