



**SIMEC GROUP**  
MORE THAN ENGRAVINGS

# CABOLL



SINCE 2022 ANILOX SPECIAL COATING

# CABOLL

## Anilox Special Coating

CABOLL will bring great technical and economic benefits to end users as well as to plant manufacturers in terms of performance and ordinary maintenance, all while containing costs and, in some versions of the product, also with important environmental benefits by adopting the green version to replace hexavalent chromium.



Ecology

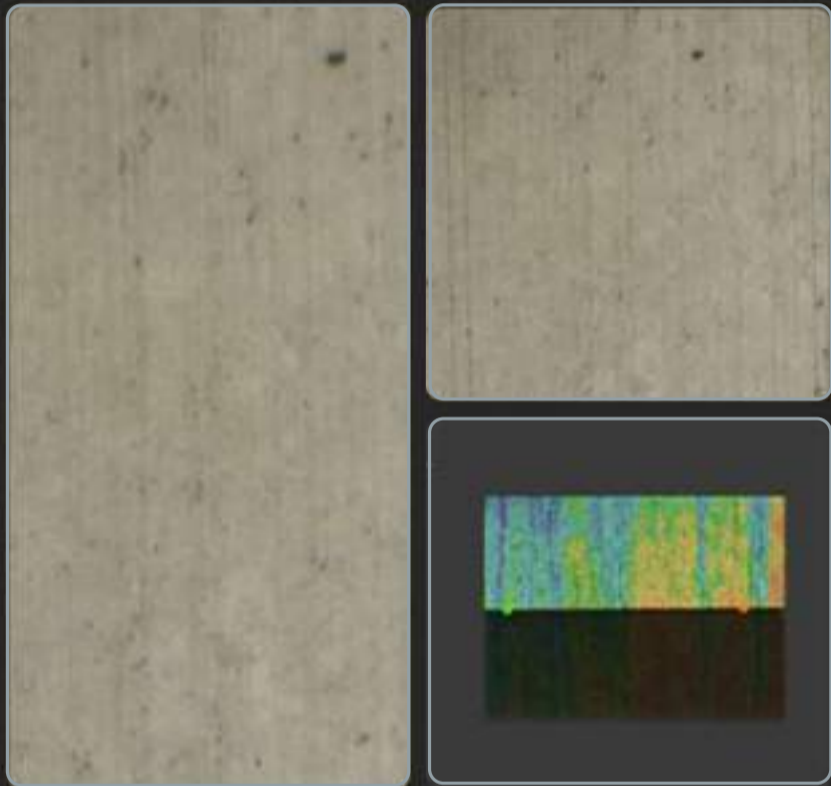


Technology



Savings

SCAN  
TO FIND OUT MORE

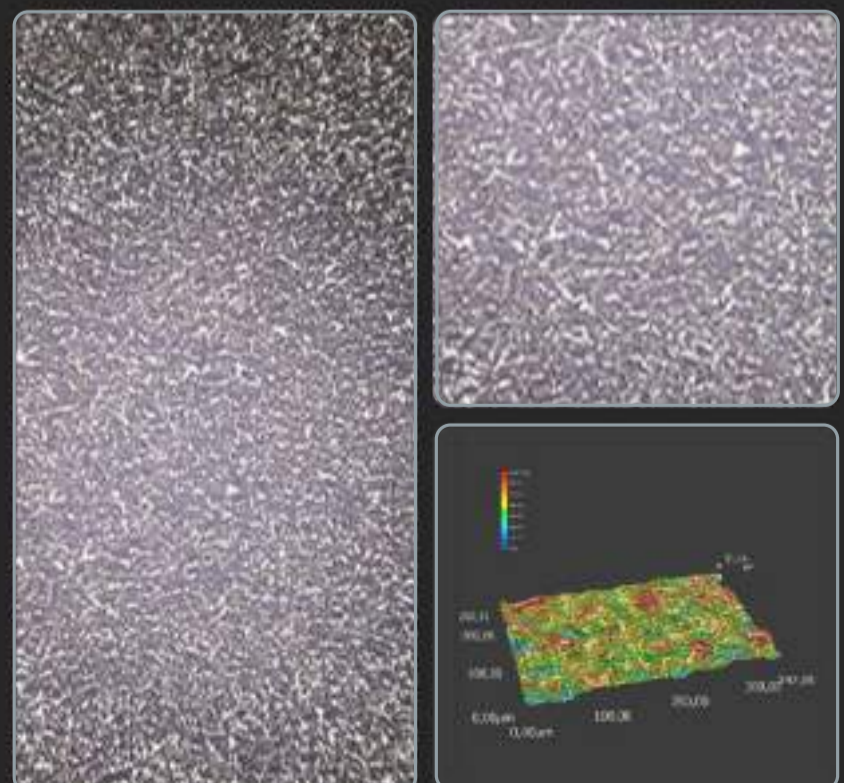


## Caboll Mirr

In several sectors where Simec operates there is a demand for smooth rollers with different surface roughness, currently made with galvanic coatings and varying thicknesses depending on the application; Simec proposes a new coating that has much better characteristics than those normally guaranteed by chrome coated rollers: improved resistance to corrosion (up to three times greater), hardness of up to 1300 hv and almost zero porosity allow increased performances and durability, as well as guaranteeing surface roughness and geometries that cannot be achieved with conventional rollers.

## Caboll Sand

Having a surface with precise matt structures, high resistance to abrasion and anti-corrosive properties has always been very complex and not always repeatable over time; the solutions currently available on the market involve galvanic chrome-plating and satin-finishing treatments carried out with sandblasting processes. Caboll Sand enables controlled and repeatable matting and increased resistance to wear and corrosion over time.

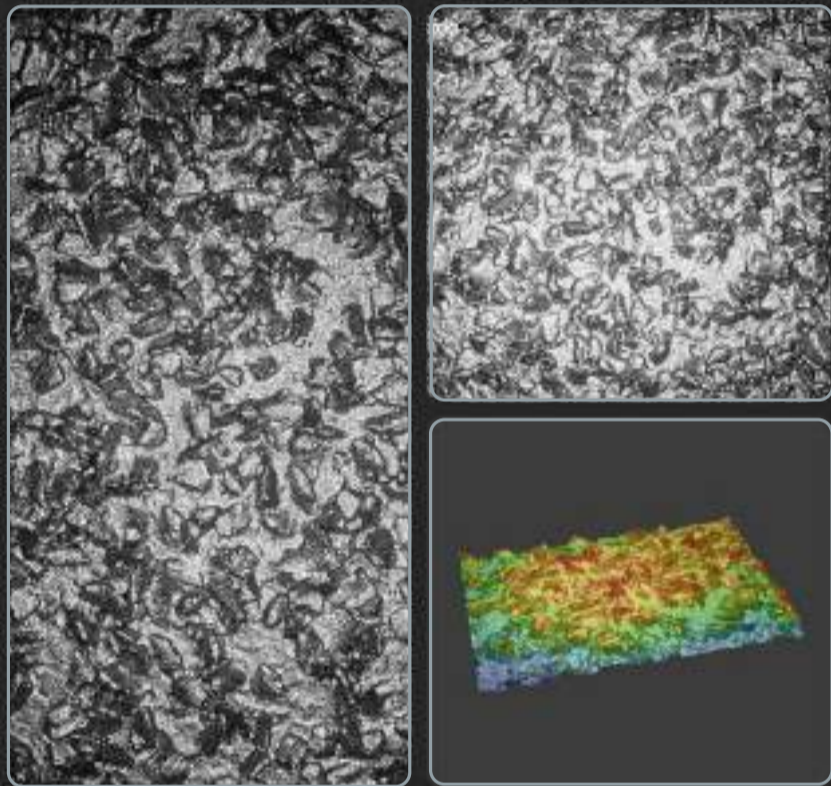
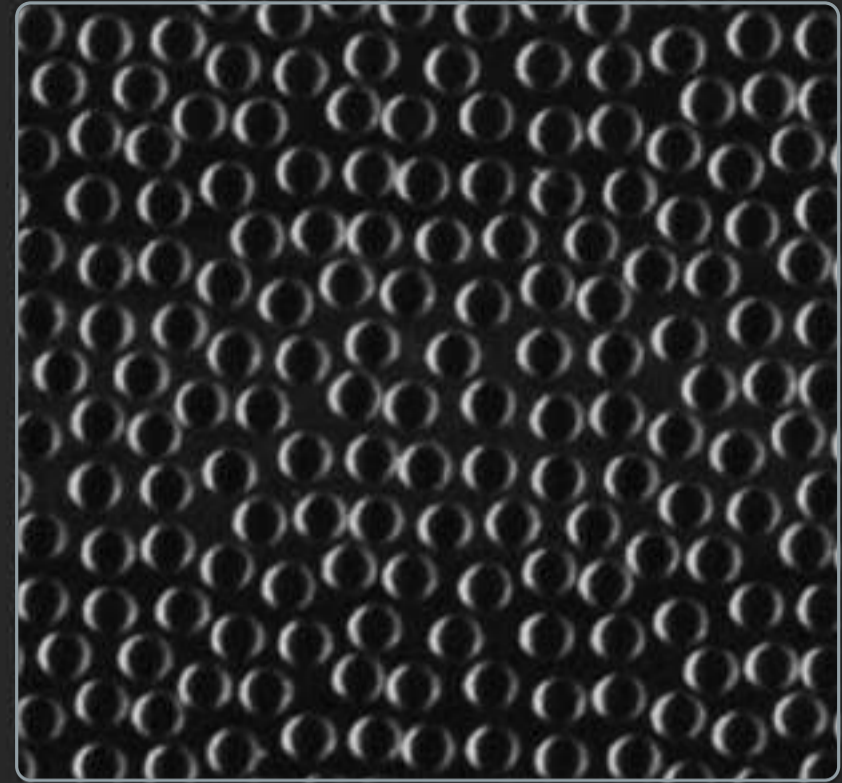


## Caboll Micro Structured

In some industrial processes, rollers with micro textures or special textures are used.

These products are mainly made on copper bases and protective chromium-coatings.

Caboll is an excellent alternative because the textures are made on a surface that is very hard compared to copper, therefore no protective galvanic treatment is required; the surface hardness is up to 40% higher than the products available in the market as well as the resistance to corrosion.



## Caboll Grind

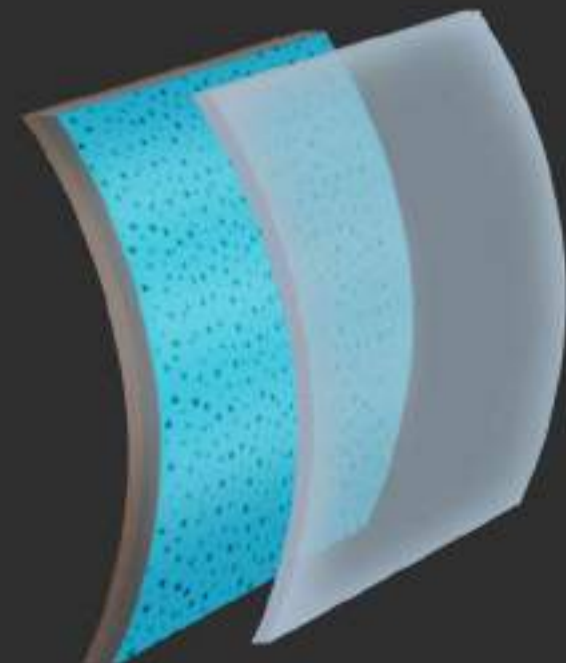
For those applications where an abrasive structure, a high coefficient of friction or a high degree of sliding grip are required while keeping an excellent resistance to abrasion, this product is a valid solution that can be applied in a controlled and repeatable manner directly on the base of the roller, working directly on the coating to create special and repeatable geometric structures to meet production requirements.

## Caboll Anti - Stick

In the converting industry rollers with non-stick surfaces are often required.

The structure of the base coatings applied are not always optimal. The Teflon coating settles in the bottom of the coating and has therefore an uneven distribution and poor resistance to abrasion.

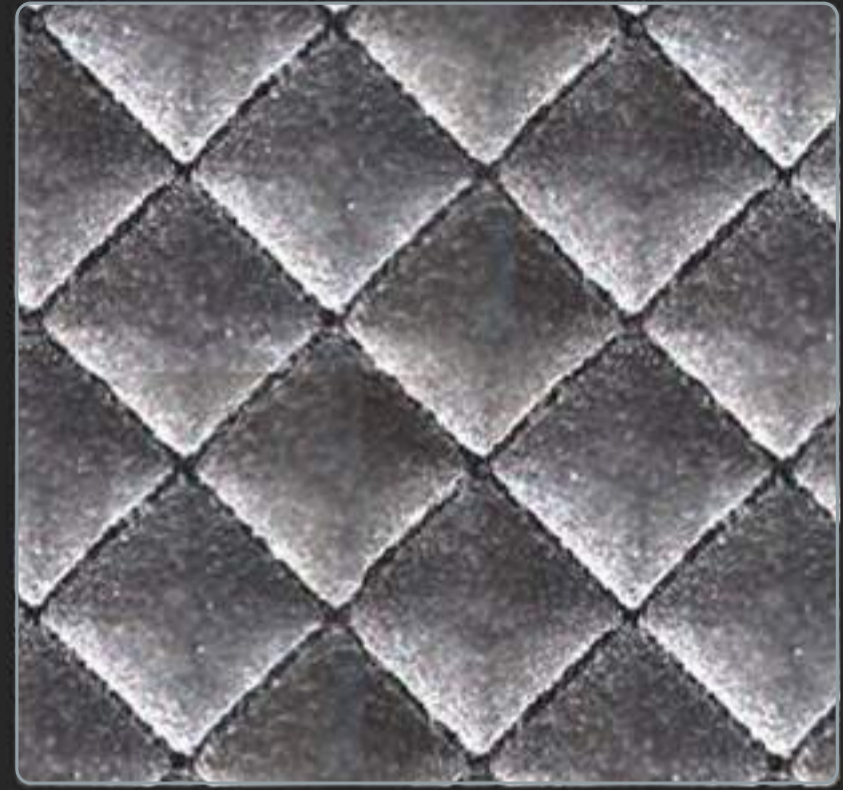
Our solution makes it possible to create micro-workings directly in the coating that distribute the Teflon precisely, while guaranteeing a specific support structure that increases durability.



## Caboll Coated

Thanks to the use of nano powders, this treatment allows low thickness coating of the profiles obtained with different processing techniques, ranging from chip removal to knurling, or profiles obtained from chemical or combined engraving processes.

Caboll Coated is a product that has been used for many years in different application sectors such as corrugated cardboard where a similar structure has replaced chrome coatings with a significant increase in durability and performance.



## Caboll Print

CABOLL Print is an innovative product and represents an alternative to laser-engraved ceramic rollers.

The special feature of this product is the replacement of the conventional chromium oxide coating with a new coating that has very different characteristics and is able to guarantee different printing performances, which can be summarised as follows:

- higher cell release (up to 30%)
- improved corrosion resistance
- significant reduction of cleaning cycles

## Montefino Plant

The Montefino production hub has been in operation since 1990. Born like an ambitious project, it has grown steadily over the years to its actual asset: 40,000 square metres, 13,000 of which roofed, divided into 4 different plants dedicated to the processing of STARLOX and EMBOSS branded products. The entire production cycle of laser engraved ceramic rollers and sleeves takes place here. Plants are largely powered by the energy produced by the photovoltaic systems installed.

