

# NEO PLUS® Cork Stoppers



**M·A·SILVA**  
Premium Cork Stoppers



**NEO® cork stoppers are technical cork stoppers, produced using granules sterilised by one of M.A.SILVA's most innovative and revolutionary technologies - NEOTECH®.**

This technology allows improving the performance and properties of cork's natural characteristics, in addition to guaranteeing the elimination of TCA. M.A.SILVA's portfolio has different cork stoppers subjected to this technology, with different technical specifications.

## TECHNOLOGIES



### DYNVOX®

Raw material sterilization and vaporization



### NEOTECH®

Sterilisation and vaporisation of granules



### MASZONE®

Elimination of microorganisms



The mark of  
responsible forestry  
Products are available  
as FSC® certified on  
request

We can supply FSC® certified products (FSC – C009204) upon request.

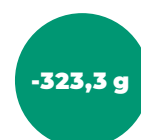
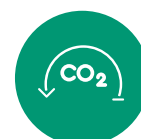
## SUSTAINABILITY

### ALL FOR THE ENVIRONMENT

Our actions are proven through the quality of our cork stoppers, the partnerships we build, the figures we present and our contribution to an increasingly greener world.

### NEGATIVE CARBON FOOTPRINT

Study carried out by KPMG according to the Group's strategic sustainability axis.



Technical Sheet

# NEO PLUS®

## Cork Stoppers



## TECHNICAL SPECIFICATIONS

### PHYSICAL-MECHANICAL

Length	$X \pm 0,5 \text{ mm}$
Diameter	$X \pm 0,3 \text{ mm}$
Dimensional Recovery	$> 96\%$
Moisture	$3\% < HR < 7\%$
Specific weight	$\pm 40 \text{ kg/m}^3$
Boiling water resistance	No disintegration
Sealing capacity	No leaks at 2 bar (at 20°C)
Chamfer	2,5 mm
Granules size	0,5 mm – 2 mm

### PHYSICAL-CHEMICAL

Stopper Extraction Forces	15daN < Fe < 45daN
OIR - OTR <sup>(1)</sup>	OIR 6 months – 1,44 mg OTR 12 months – 1,62 mg OTR Per year, after 12 months – 0,10 mg
	<sup>(1)</sup> OIR - Oxygen Initial Release. OTR - Oxygen Transfer Rate. Results obtained by chemiluminescence with CETIE bottles.
TCA <sup>(2)</sup>	$< 0,5 \text{ ng/L}$ <sup>(2)</sup> Quantification limit of 0,5 ng/L. Analysis performed in accordance to ISO 20752.

### PRODUCTION

Process	Moulding
Branding	Ink, Laser and Fire

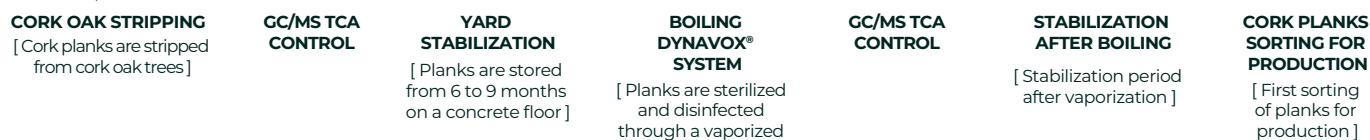
### STORAGE

Use no later than <sup>(3)</sup>	6 months <sup>(3)</sup> As a good practice, the product should be used according to the FIFO methodology and as soon as possible, keeping the bags closed.
Moisture in storage	40% – 70% RH
Storage temperature	15°C – 20°C   59°F – 68°F
Storage place	Store the stoppers in a clean, well-ventilated and odor-free place, away from products containing chlorine.

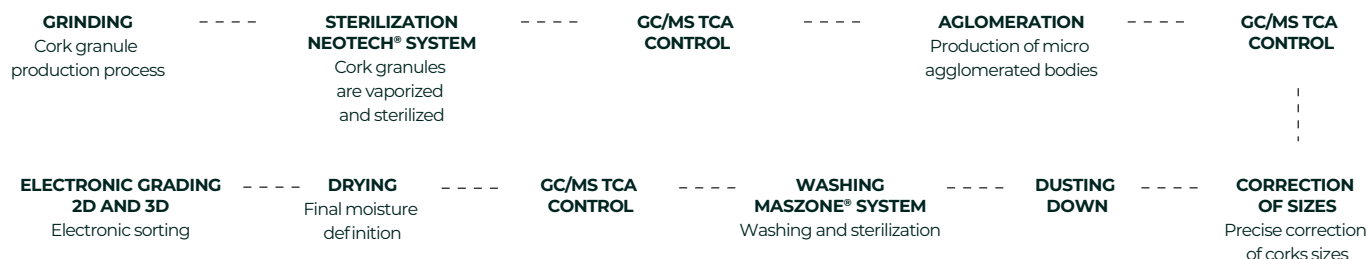
<b>STANDARD DIMENSIONS</b>	38x24 mm   44x24 mm   47x24mm
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## PRODUCTION FLOW

### Raw Material



### Production



### Customization and Packaging

