

Technical sheet

# NEO SELECT®

## MICRO AGGLOMERATE 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.

We move to produce the best, while taking care of the best. It's our nature. We take care of what is ours and of future generations. We take care of the oak forest, which brings us life. We take care of the raw materials we select. We take care of the organic components we choose. We take care of the production process from start to finish. We take care of the wines we preserve. We take care of what makes us move.

## 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.

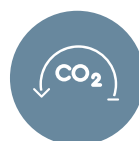
## SUSTAINABILITY

### 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 SPECIFICATIONS

NEO SELECT® micro-agglomerate cork stoppers, which incorporate only organic components throughout their 100% vertical production process. Technical stoppers with the benefits of an ecological stopper and the feel of a natural stopper. The best choice for those who decide bearing in mind the planet and the quality of the wine to be preserved.

### PHYSICAL-MECHANICAL

Lenght	X ± 0,5 mm
Diameter	X ± 0,3 mm
Dimensional recovery	>90%
Moisture	3% < HR < 7%
Specific weight	+/- 40kg/m <sup>3</sup>
Boiling water resistance	No desintegration
Sealing capacity	No leaks at 2 bar (a 20°C)
Chamfer	2,5 mm
Granules size	0,5 mm - 1 mm
Microspheres	No use
Bonding agent	Plant-based polyol

### STANDARD DIMENSIONS

49x24 mm | 49x25 mm

### PHYSICAL-CHEMICAL

Stopper extration forces	15daN<Fe<45daN
OIR - OTR (1)	0,89 mg
	12 months
	1,00 mg
Per year, after 12 months	0,05 mg
	(1) OIR - Oxygen Initial Release. OTR - Oxygen Transfer Rate. Results obtained by chemiluminescence with CETIE bottles.
TCA (2)	< 0,5 ng/L
	(2) Quantification limit of 0,5 ng/L. Analysis performed in accordance to ISO 20752.

### PRODUCTION

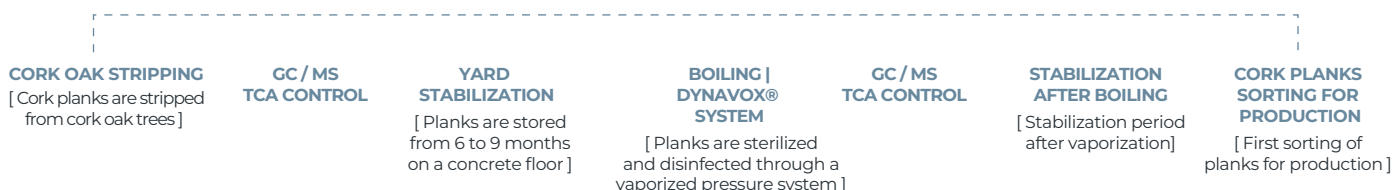
Process	Moulding
Branding	Ink, laser and fire.

### STORAGE

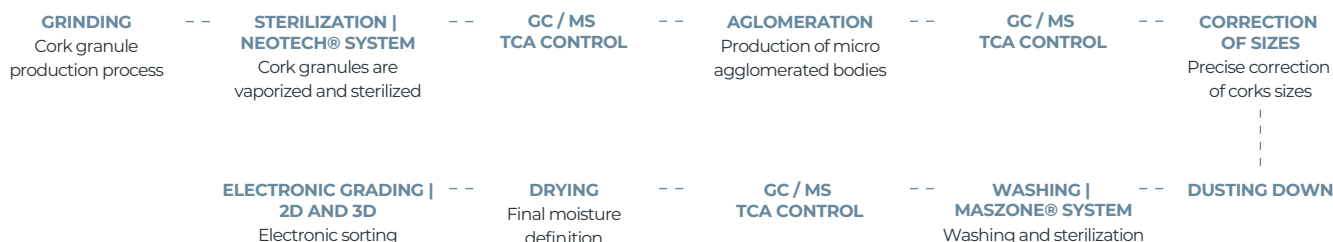
Use no later then (3)	6 months
	(3) As a good practice, the product should be used according to the FIFO methodology and as soon as possible, keeping the bags closed.
Moisture in storage	40% – 70% RH
Storage temperature	15°C – 20°C   59°F – 68°F
Storage place	Store the stoppers in a clean, well-ventilated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

## PRODUCTION FLOW

### Raw Material



### Production



### Customization and Packaging

