# VIVA.<sup>I®</sup>Cork Stoppers



## VIVA<sup>®</sup> stoppers are responsible for sealing some of the best sparkling wines in the world.

Resistant to the highest pressures, they naturally maintain the best M.A.SILVA consistency and quality. M.A.SILVA's portfolio has different VIVA® cork stoppers with different technical specifications.

# **TECHNOLOGIES**

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**DYNAVOX®** Raw material sterilization and vaporization



**NEOTECH®** Sterilisation and vaporisation of granules



**SARA ADVANCED®** Extraction of volatiles and sensory standardization



**MASZONE®** Elimination of microorganisms

## **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.



# VIVA. Cork Stoppers



## **TECHNICAL SPECIFICATIONS**

#### PHYSICAL-MECHANICAL

Lenght Diameter Dimensional Recovery Moisture Specific weight Boiling water resistance Discs thickness Torsion moment Shear Strength Torsion angle Sealing capacity Chamfer X ± 0,5 mm X ± 0,3 mm > 96% 4% - 8% 240 - 320 kg/m3 No disintegration  $\ge$  4,5 mm  $\ge$  35 daN.cm  $\ge$  6 daN/cm2  $\ge$  35° No leaks at 6 bar (at 20°C) 3,5 - 4,5 mm

#### PRODUCTION Process

Branding

**STORAGE** Use no later than Moisture in storage Storage temperature Storage place Moulding Fire

6 months 40% – 70% RH 15°C – 20°C | 59°F – 68°F Store the stoppers in a clean, well-ventilated and odor-free place, away from products containing chlorine.

STANDARD DIMENSIONS

48x29,5 mm | 48x30 mm | 48x30,5 mm

# **PRODUCTION FLOW**

## **Raw Material**

CORK OAK STRIPPING [Cork planks are stripped from cork oak trees] GC/MS TCA CONTROL

**STABILIZATION** [ Planks are stored from 6 to 9 months on a concrete floor ]

YARD

BOILING DYNAVOX® SYSTEM [ Planks are sterilized and disinfected

through a vaporized

pressure system.

#### GC/MS TCA CONTROL

STABILIZATION AFTER BOILING [Stabilization period

after vaporization ]

#### CORK PLANKS SORTING FOR PRODUCTION

[First sorting of planks for production]

## Production

GRINDING STERILIZATION GC/MS TCA AGLOMERATION - - - -GC/MS TCA DISC PRODUCTION \_ \_ \_ \_ Cork granule **NEOTECH® SYSTEM** CONTROL Production of CONTROL Thinner strips of cork Cork granules are agglomerated bodies Flor grade are punched production process vaporized and sterilized for disc purposes GC/MS TCA STERILIZATION ELECTRONIC GRADING CORRECTION GLUING GC/MS TCA CONTROL CONTROL SARA ADVANCED® SYSTEM 2D AND 3D OF SIZES Assembly of Electronic sorting to Cork stoppers are Precise correction agglomerated bodies vaporized and sterilized determine visual of corks sizes and discs with grade glue classes of the discs. WASHING GC/MS TCA DRYING ELECTRONIC GRADING DUSTING DOWN MASZONE® SYSTEM CONTROL 2D AND 3D Final moisture definition Washing and sterilization Electronic sorting to determine visual classes. Customization and Packaging

**PRINTING** Customized printing on stoppers **FINAL TREATMENT** To facilitate the bottling process GC/MS TCA CONTROL

**PACKAGING** According to specifications

Naturally **Better**