

Technical Sheet

SILKTOP ADVANCED® Cork Stoppers



M·A·SILVA
Premium Cork Stoppers



SILKTOP® cork stoppers represent a combination between the strictness of sealing and the best properties of natural cork stoppers.

Throughout the production process, our cork stoppers are moulded using cutting-edge technology, naturally guaranteeing the best quality for M.A.SILVA technical stoppers. M.A.SILVA's portfolio has different SILKTOP® cork stoppers, with different technical specifications.

TECHNOLOGIES



DYNAXOX®

Raw material sterilization
and vaporization



SARA ADVANCED®

Extraction of volatiles
and sensory standardization



NEOTECH®

Sterilisation and
vaporisation of granules



MASZONE®

Elimination
of microorganisms

SILKTOP ADVANCED®

Cork Stoppers



TECHNICAL SPECIFICATIONS

SIZES

Length
Diameter
Standard sizes

Nominal ± 0,5 mm
Nominal ± 0,3 mm
39x23,5 mm | 44x23,5 mm

FUNCTIONAL

Stopper extraction forces
Sealing capacity
Torsion
Shear stress

15daN<Fe<45daN
No leaks at 2 bar
≥ 35°
> 6 daN/cm²

PHYSICAL

Moisture
Dimensional recovery
Density
Resistance to boiling water

4% – 8%
> 90%
Nominal ± 40 kg/m³
No disintegration

STORAGE

Use no later than
Moisture in storage
Storage temperature
Storage place

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.

PRODUCTION FLOW

Raw Material

CORK OAK STRIPPING

[Cork planks are stripped from cork oak trees]

GC/MS TCA CONTROL
YARD STABILIZATION

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

BOILING DYNAXOX® 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

Cork granule production process

STERILIZATION NEOTECH® SYSTEM

Cork granules are vaporized and sterilized

GC/MS TCA CONTROL
AGLOMERATION

Production of micro agglomerated bodies

GC/MS TCA CONTROL
DISCS PRODUCTION

Thinner strips of cork are punched for disc purposes

CORRECTION OF SIZES

Precise correction of corks sizes

GC/MS TCA CONTROL
GLUING

Assembly of agglomerated bodies and discs with grade glue

CONTROLO DE TCA POR GC/MS
STERILIZATION SARA ADVANCED® SYSTEM

Cork stoppers are vaporized and sterilized

ELECTRONIC GRADING 2D AND 3D

Electronic sorting to determine visual classes of the discs.

DUSTING DOWN
WASHING MASZONE® SYSTEM

Washing and sterilization

GC/MS TCA CONTROL
DRYING

Final moisture definition

ELECTRONIC GRADING 2D AND 3D

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