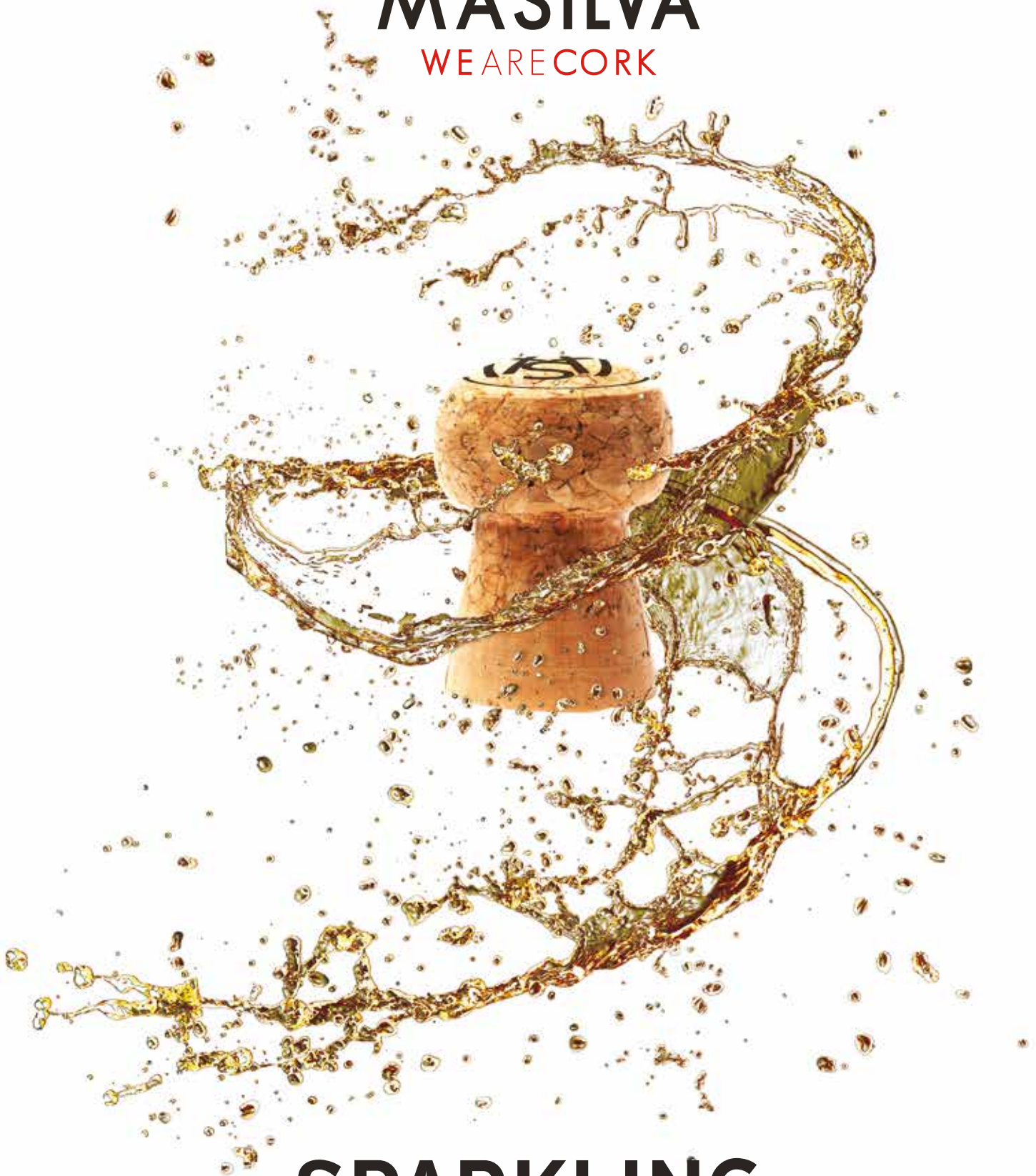




MASILVA

WE ARE CORK



SPARKLING

WINE



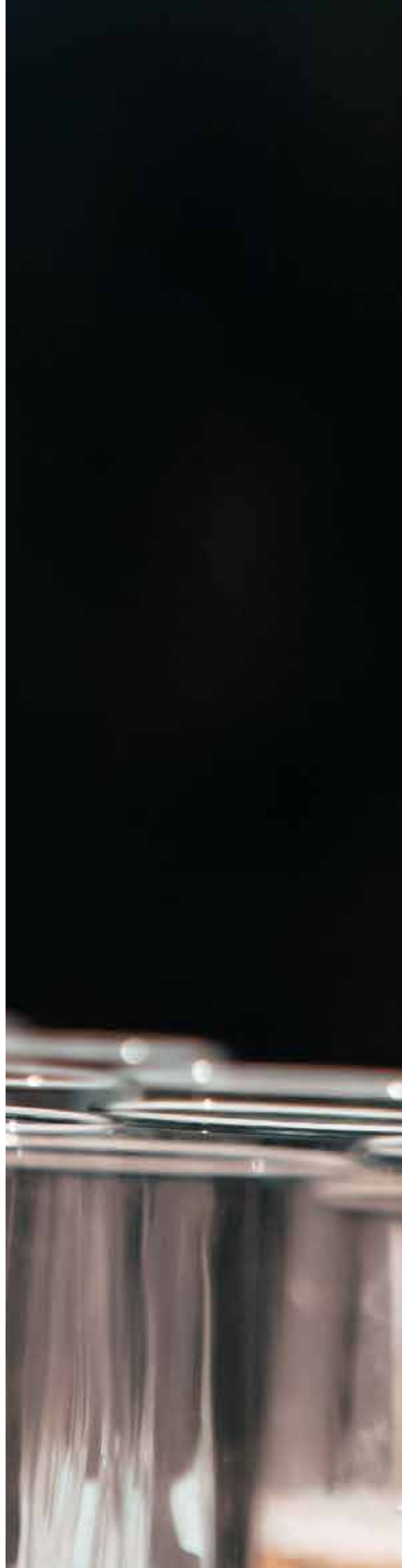
SPARKLING WINE

MASILVA STOPPERS ARE USED BY SOME OF THE WORLD'S BEST SPARKLING WINES

MASILVA cork closures are used for some of the world's best sparkling wines.

Sparkling wine presents challenges in terms of stoppers, which have to be able to withstand higher pressures while maintaining consistency and the specified insertion and extraction forces. Their visual appearance is critical, given the aesthetic emphasis placed on sparkling wine packaging. The product must be strong enough to remain intact during twisting extraction, while being pliable enough to offer a lasting seal.

Our sparkling wine cork is composed of a SARA® sterilized agglomerated cork body, and two discs of solid natural cork on the end that comes into contact with the sparkling wine. We use only FDA-approved food-grade bonding agents. The composite body consistently meets stringent visual and mechanical requirements, both at individual part level and after gluing to the disks.



TECHNOLOGY



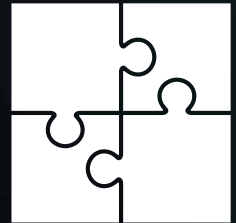
SARA®

Vaporization and
sterilization of cork
granules



SARA ADVANCED®

Natural cork stoppers are
vaporized and sterilized



MOLDING

Production of
agglomerated bodies





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VIVA .2®



TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Length: $l \pm 0.5$ mm
Diameter: $d \pm 0.3$ mm
Dimensional Recovery: $> 96\%$
Moisture: 4% - 8%
Specific weight: 240 - 320 Kg / m³
Boiling water resistance: no desintegration
Discs thickness: 1° $\geq 4,5$ mm / 2° $\geq 5,5$ mm
Torsoin moment: ≥ 35 daN.cm
Shear Strength: ≥ 6 daN / cm²
Torsoin angle: $\geq 35^\circ$
Sealing capacity: no leaks at < 6 bar
Capillarity: < 1 mm
Chamfer: 4 mm

PHYSICAL-CHEMICAL

Dust content: < 1 mg / stopper

STANDARD DIMENSIONS

47x29,5 mm, 48x29,5 mm, 48x30,5 mm, 48x31 mm

PRODUCTION

Process: Moulding
Branding: Fire

STORAGE

Use no later than: 6 months
Moisture: 40% - 70% RH, (non condensing)
Temperature: 15°C - 20°C, 59°F - 68°F
Location: Store the stoppers in a clean, well-ventilated, odor-free place, and kept away from products containig chlorine.

VIVA .1®



TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Length: $l \pm 0.5$ mm
Diameter: $d \pm 0.3$ mm
Dimensional Recovery: $> 96\%$
Moisture: 4% - 8%
Specific weight: 240 - 320 Kg / m³
Boiling water resistance: no desintegration
Discs thickness: $\geq 4,5$ mm
Torsoin moment: ≥ 35 daN.cm
Shear Strength: ≥ 6 daN / cm²
Torsoin angle: $\geq 35^\circ$
Sealing capacity: no leaks at < 6 bar
Capillarity: < 1 mm
Chamfer: 4 mm

PHYSICAL-CHEMICAL

Dust content: < 1 mg / stopper

STANDARD DIMENSIONS

48x29,5 mm, 48x30,5 mm

PRODUCTION

Process: Moulding
Branding: Fire

STORAGE

Use no later than: 6 months
Moisture: 40% - 70% RH, (non condensing)
Temperature: 15°C - 20°C, 59°F - 68°F
Location: Store the stoppers in a clean, well-ventilated, odor-free place, and kept away from products containig chlorine.



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VIVA²[®] BEER



VIVA[®] PEARL



TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Length: $l \pm 0.5$ mm
Diameter: $d \pm 0.3$ mm
Dimensional Recovery: $> 96\%$
Moisture: 4% - 8%
Specific weight: 240 - 320 Kg / m³
Boiling water resistance: no desintegration
Discs thickness: 1^o $\geq 4,5$ mm / 2^o $\geq 5,5$ mm
Torsoin moment: ≥ 21 daN.cm
Shear Strength: ≥ 6 daN / cm²
Torsoin angle: $\geq 35^\circ$
Sealing capacity: no leaks at < 6 bar
Capillarity: < 1 mm
Chamfer: 4 mm

PHYSICAL-CHEMICAL

Dust content: < 1 mg / stopper

STANDARD DIMENSIONS

44x26mm, 44x27mm

PRODUCTION

Process: Moulding
Branding: Fire

STORAGE

Use no later than: 6 months
Moisture: 40% - 70% RH, (non condensing)
Temperature: 15°C - 20°C, 59°F - 68°F
Location: Store the stoppers in a clean, well-ventilated, odor-free place, and kept away from products containig chlorine.

TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Length: $l \pm 0.5$ mm
Diameter: $d \pm 0.3$ mm
Dimensional Recovery: $> 96\%$
Moisture: 4% - 8%
Specific weight: 240 - 320 Kg / m³
Boiling water resistance: no desintegration
Torsoin moment: ≥ 35 daN.cm
Shear Strength: ≥ 6 daN / cm²
Torsoin angle: $\geq 35^\circ$
Sealing capacity: no leaks at < 6 bar
Capillarity: < 1 mm
Chamfer: 4 mm

PHYSICAL-CHEMICAL

Dust content: < 1 mg / stopper

STANDARD DIMENSIONS

48x30,5 mm

PRODUCTION

Process: Moulding
Branding: Fire

STORAGE

Use no later than: 6 months
Moisture: 40% - 70% RH, (non condensing)
Temperature: 15°C - 20°C, 59°F - 68°F
Location: Store the stoppers in a clean, well-ventilated, odor-free place, and kept away from products containig chlorine.



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VIVA¹® PEARL



TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Length: $l \pm 0.5$ mm
Diameter: $d \pm 0.3$ mm
Dimensional Recovery: $> 96\%$
Moisture: 4% - 8%
Specific weight: 240 - 320 Kg / m³
Boiling water resistance: no desintegration
Discs thickness: $\geq 4,5$ mm
Torsoin moment: ≥ 35 daN.cm
Shear Strength: ≥ 6 daN / cm²
Torsoin angle: $\geq 35^\circ$
Sealing capacity: no leaks at < 6 bar
Capillarity: < 1 mm
Chamfer: 4 mm

PHYSICAL-CHEMICAL

Dust content: < 1 mg / stopper

STANDARD DIMENSIONS

48x30,5 mm

PRODUCTION

Process: Moulding
Branding: Fire

STORAGE

Use no later than: 6 months
Moisture: 40% - 70% RH, (non condensing)
Temperature: 15°C - 20°C, 59°F - 68°F
Location: Store the stoppers in a clean, well-ventilated, odor-free place, and kept away from products containig chlorine.

VIVA¹® MIX



TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Length: $l \pm 0.5$ mm
Diameter: $d \pm 0.3$ mm
Dimensional Recovery: $> 96\%$
Moisture: 4% - 8%
Specific weight: 240 - 320 Kg / m³
Boiling water resistance: no desintegration
Torsoin moment: ≥ 35 daN.cm
Shear Strength: ≥ 6 daN / cm²
Torsoin angle: $\geq 35^\circ$
Sealing capacity: no leaks at < 6 bar
Capillarity: < 1 mm
Chamfer: 4 mm

PHYSICAL-CHEMICAL

Dust content: < 1 mg / stopper

STANDARD DIMENSIONS

48x30,5 mm

PRODUCTION

Process: Moulding
Branding: Fire

STORAGE

Use no later than: 6 months
Moisture: 40% - 70% RH, (non condensing)
Temperature: 15°C - 20°C, 59°F - 68°F
Location: Store the stoppers in a clean, well-ventilated, odor-free place, and kept away from products containig chlorine.



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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 | 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

-  **STERILIZATION | SARA® SYSTEM**
Cork granules are vaporized and sterilized
-  **GC / MS TCA CONTROL**
-  **AGLOMERATION**
Production of agglomerated bodies
-  **GC / MS TCA CONTROL**
-  **DISC PRODUCTION**
Thinner strips of cork are punched for disc purposes
-  **STERILIZATION | SARA ADVANCED® SYSTEM**
Natural cork stoppers are vaporized and sterilized
-  **GC / MS TCA CONTROL**
-  **GLUING**
Assembly of agglomerated bodies and discs with grade glue
-  **GC / MS TCA CONTROL**
-  **CORRECTION OF SIZES**
Precise correction of corks sizes
-  **WASHING | MASZONE® SYSTEM**
Washing and sterilization
-  **GC / MS TCA CONTROL**
-  **DRYING**
Final moisture definition
-  **SORTING**
Cork sorting according to visual quality
-  **PRINTING**
Customized printing on stoppers
-  **FINAL TREATMENT**
To facilitate the bottling process
-  **GC / MS TCA CONTROL**
-  **PACKAGING**
According to specifications





www.masilva.pt

WE
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CORK



The mark of
responsible forestry

Look for FSC
certified products



PT-1996/CEP.454 PT-2005/GSA.0001

