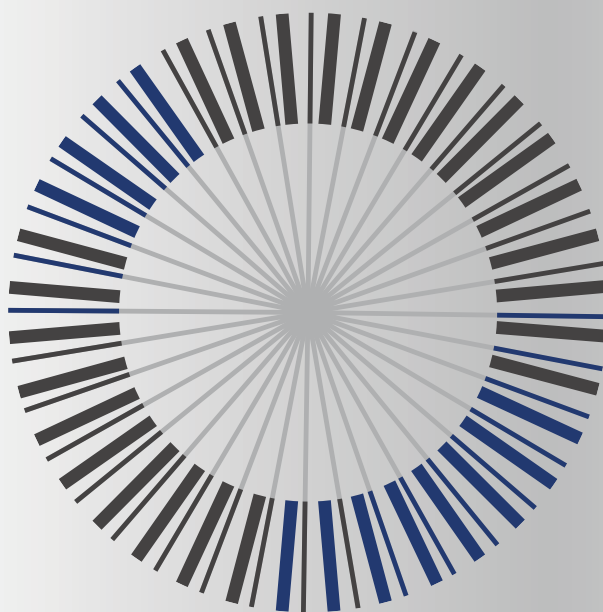




**MASILVA**  
WEARECORK



**NEOTECH**<sup>®</sup>

**PREMIUM CORK PRODUCER**

# NEO<sup>®</sup> CONCEPT

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With determination to continuously evolve and meet market trends and demands, MASILVA has improved product quality with a new investment in technology designed to sterilize cork granules.

Consumers can now enjoy the look and feel of natural cork with our NEO<sup>®</sup> micro agglomerate. NEO<sup>®</sup> cork stoppers carry our ongoing commitment to sustainability and the product value chain.

The cork granules are carefully selected and processed with a series of mechanical operations to reduce the material to even-sized particles. Once the granulate are sized, they are treated with fluidized bed technology.

These particles are subjected to a steaming and sterilization process via our NEOTECH<sup>®</sup> system. Only food grade binding agents are used.

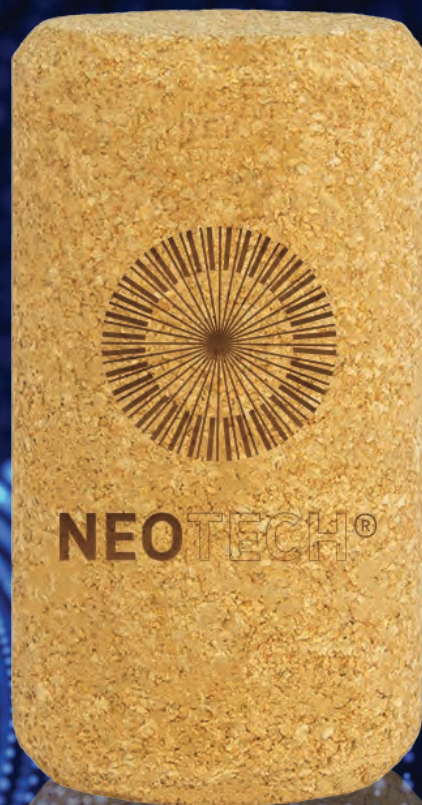
**AN INTERNATIONAL REFERENCE  
IN PRODUCT QUALITY**

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**LEADER IN TECHNOLOGY**

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**PREMIUM RAW MATERIALS**



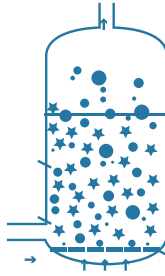
# METHODOLOGY AND ADVANTAGES

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## Granule Production



- Granules originate from carefully selected raw material from our raw material center at the heart of the Alentejo
- No mechanical intervention
- Granules are shifted via vibration only
- The natural elastic memory of the granules is preserved
- Uniform granule sizes



## Granulate treated with Fluidized Bed Technology for interaction on a molecular level

- Controlled steam and pressure
- Maximal molecular transfer for elimination of TCA and other volatiles
- Cellular structure retained
- Physical-mechanical properties are maintained

## Ecological and Sustainable



- No chemical solvents or balancing agents
- Only Food Grade binding agents used
- All aspects of the cork production reused and zero waste incurred



## NEOCORK Advantages

- Consistent removal of TCA to ND levels of 0.5 Ng/L
- Elimination of other volatiles for sensory neutrality
- Optimal retention of physical properties for superlative performance
- Individual molding ensures consistent mechanical performance

**A CORK  
STOPPER  
TAILOR-MADE  
FOR YOUR WINE.**





~~TCA~~

ND TCA

**OTR**

UNDER  
100% O<sub>2</sub>  
ATMOSPHERE



## NEO PRESTIGE®

### TECHNICAL SPECIFICATIONS

#### SIZES

Length: Nominal  $\pm$  0.5 mm

Diameter: Nominal  $\pm$  0.3 mm

Standard sizes: 38x24 mm, 44x24 mm, 47x24 mm

#### PHYSICAL

Moisture: 4 %-8 %

Dimensional recovery: > 96 %

Density: Nominal  $\pm$  40 Kg/m<sup>3</sup>

Resistance to boiling water: no disintegration

Granule size: 0.5-1 mm

#### FUNCTIONAL

Stopper extraction forces: 15 daN – 45 daN

(coated stoppers only)

Sealing capacity: no leaks at 1.5 bar

Capillarity: < 1 mm

OTR: 0.016cm<sup>3</sup>/day under 100% O<sub>2</sub> atmosphere

TCA: TCA Free\*

#### STORAGE

Use no later than: 3 months (coated stoppers only)

Moisture in storage: 40 %-70 % RH, non-condensing

Storage temperature: 15 °C–20 °C

Storage place: Store the stoppers in a clean, well-ventilated and odor-free place, away from products containing chlorine.



## NEO PLUS®

### TECHNICAL SPECIFICATIONS

#### SIZES

Length: Nominal  $\pm$  0.5 mm

Diameter: Nominal  $\pm$  0.3 mm

Standard sizes: 38x24 mm, 44x24 mm, 47x24 mm

#### PHYSICAL

Moisture: 4 %- 8 %

Dimensional recovery: > 96 %

Density: Nominal  $\pm$  40 Kg/m<sup>3</sup>

Resistance to boiling water: no disintegration

Granule size: 0.5 - 2 mm

#### FUNCTIONAL

Stopper extraction forces: 15 daN – 45 daN

(coated stoppers only)

Sealing capacity: no leaks at 2 bar

Capillarity: < 1 mm

OTR: 0.023cm<sup>3</sup>/day under 100% O<sub>2</sub> atmosphere

TCA: TCA Free\*

#### STORAGE

Use no later than: 3 months (coated stoppers only)

Moisture in storage: 40 %-70 % RH, non-condensing

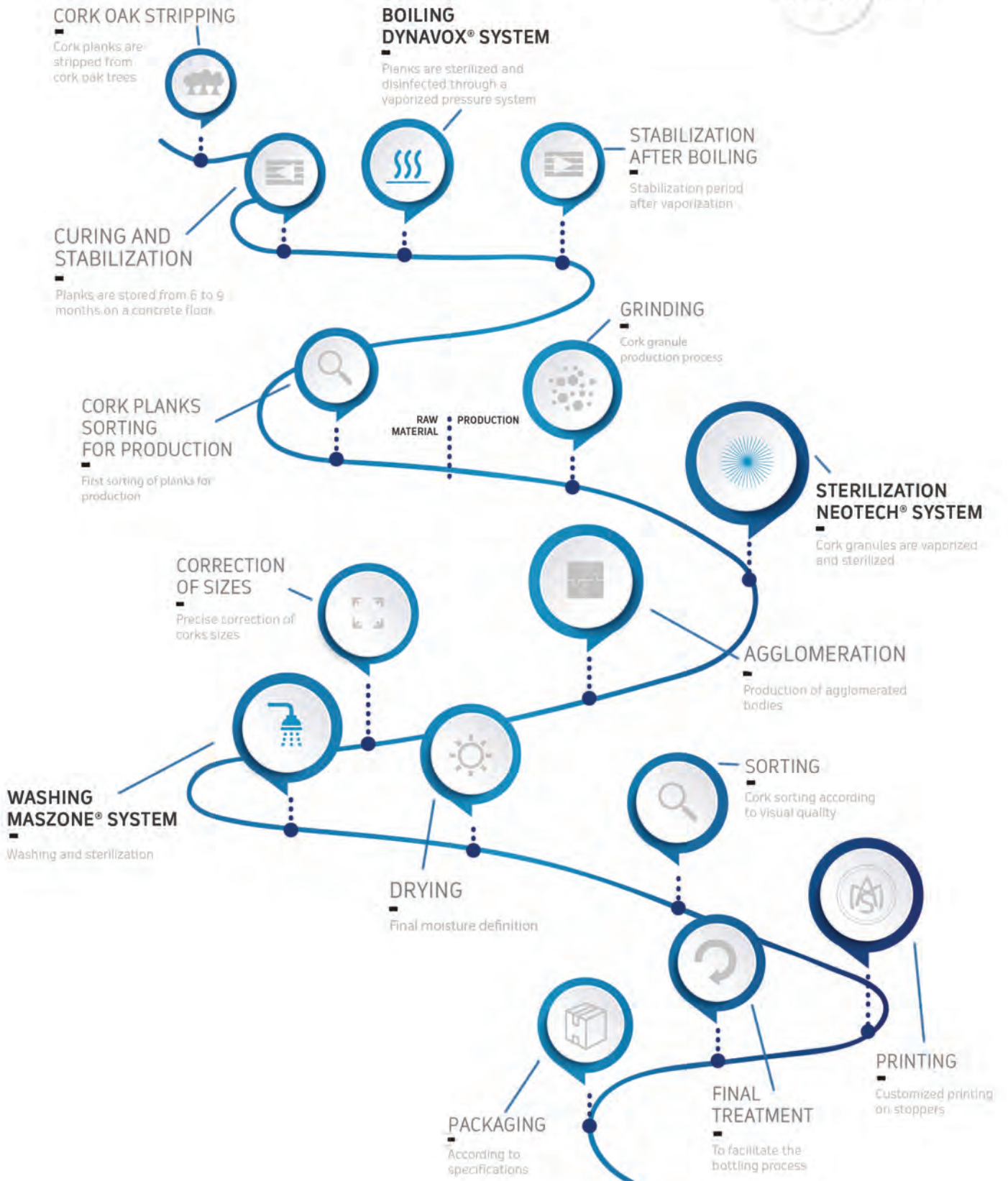
Storage temperature: 15 °C–20 °C

Storage place: Store the stoppers in a clean, well-ventilated and odor-free place, away from products containing chlorine.

(\*) Releasable TCA content at or below the 0.5 ng/L quantification limit; analysis performed in accordance to ISO 20752.

# PRODUCTION FLOW

TCA ND TCA



[www.masilva.pt](http://www.masilva.pt)



**MASILVA**  
WEARECORK

MASILVA - Cortiças, S.A.  
Rua Central das Regadas Apartado 62  
4536-902 Mozelos VFR  
Portugal  
T. +351 227 471 360  
F. +351 227 471 369  
GPS: 40° 58' 55" N-8° 34'-47' W