



MASILVA
WEARECORK

Technological leader since 1972

CONCEPT

NEO



THE BEST RAW MATERIAL
AT THE HANDS OF THE BEST TECHNOLOGY

At MASILVA, we are constantly improving in the name of quality and we invest a large part of our revenue in innovation.

Neotech® technology is the latest innovation from MASILVA. It has revolutionised the technical cork stopper market, through a continuous and automatic process that employs controlled steam and pressure to expel TCA and other volatile compounds from the cork granules. All granules come from raw materials carefully selected in our raw material centre in Portugal.

With the Neotech system, the cork chips are carefully selected and processed, and a series of mechanical operations reduce the material to particles of uniform size. After grinding, the granules are treated using fluidised bed technology.

We use this cutting-edge technology to guarantee the highest quality in NEO® micro-agglomerated cork stoppers, in an ongoing commitment to sustainability in the product value chain.

In addition to eliminating TCA, Neotech® technology improves the physical properties of the granules; eliminating their stratification; as well as standardising the performance of the natural characteristics of cork. The consumer feels a difference at the touch.

For all these reasons we have been technological leaders since 1972 and set an international standard for product quality.

M. A. Silva - Cortiças, S.A.
Rua Central das Regadas - Apartado
62 4536-902 Mozelos VFR Portugal

phone: +351 227 471 360
email: masilvacorticas@masilva.pt
web: masilva.pt
GPS: 40°58'55"N 8°34'47.0"W

NEOTECH®



Quality comes first.



MASILVA
WE ARE CORK

Technological leader since 1972

PRODUCTION FLOW

RAW MATERIAL

TCA

Non
Detectable



CORK OAK STRIPPING
CORK PLANKS ARE STRIPPED FROM
CORK OAK TREES



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



STABILIZATION AFTER BOILING
STABILIZATION PERIOD AFTER
VAPORIZATION



**CORK PLANKS SORTING
FOR PRODUCTION**
FIRST SORTING OF PLANKS FOR
PRODUCTION FÜR DIE PRODUKTION

PRODUCTION



GRINDING
CORK GRANULE
PRODUCTION PROCESS



**STERILIZATION |
NEOTECH® SYSTEM**
CORK GRANULES ARE
VAPORIZED AND STERILIZED



INDIVIDUAL MOULDING
PRODUCTION OF MICRO
AGGLOMERATED BODIES



CORRECTION OF SIZES
PRECISE CORRECTION
OF CORKS SIZES



WASHING | MASZONE® SYSTEM
WASHING AND STERILIZATION



TROCKNUNG
EINSTELLUNG AUF DEN
ENDGÜLTIGEN FEUCHTEGEHALT



SORTING
CORK SORTING ACCORDING
TO VISUAL QUALITY



PRINTING
CUSTOMIZED PRINTING
ON STOPPERS



FINAL TREATMENT
TO FACILITATE THE BOTTLING
PROCESS



PACKAGING
ACCORDING TO SPECIFICATIONS

TECHNICAL SPECIFICATIONS

SIZES

Length: Nominal ± 0.5 mm
Diameter: Nominal ± 0.3 mm
Standard sizes: 38x24 mm,
44x24 mm, 47x24 mm

PHYSICAL

Moisture: 4 % - 8 %
Dimensional recovery: > 96 %
Density: Nominal ± 40 Kg/m³
Resistance to boiling water:
no disintegration
Granule size: 0.5 - 2 mm
Production: Individual Moulding

FUNCTIONAL

Stopper extraction forces:
15 daN - 45 daN
(coated stoppers only)
Sealing capacity: no leaks at 2 bar
Capillarity: < 1 mm
OTR: 0.023 cm³/day under 100% O₂
atmosphere
TCA: Non Detectable (1)

STORAGE

Use no later than: 6 months
(coated stoppers only) (2)
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.

(1) Releasable TCA content below the 0.5
ng/L detection limit; analysis performed in
accordance to ISO 20752.

(2) As a good practice, the product should be
used according to the FIFO methodology and
as soon as possible, keeping the bags closed.

STOPPERS
NEO PLUS®

