



## RESERVA GREEN LINE SOLUTION FOR LUXURY WINES

Reserva provides the optimum in performance, design and sustainability for age-worthy premium wines.

- Low oxygen ingress ideal for fragile and crisp wines as well as high-quality red wines intended to age for up to 25 years
- TCA-free — no cork taint
- Flor grade natural cork's distinctive growth-line features and natural imperfections
- Enhanced, soft-feel surface with an easy grip and a more appealing tactile touch
- Made from the highest grade, renewable plant-based polymers
- High resolution print capability
- Recyclable
- Line extended to include Reserva 300 and Reserva 500 for a wider range of wine evolution fit for different varietals and winemaking styles



	Reserva	Reserva 300	Reserva 500
<b>Wine Preservation</b>	Up to 25 years	Up to 10 years	Up to 8 years
<b>Oxygen Ingress per Bottle</b>	0.3 mg of O <sub>2</sub> After 3 Months 0.4 mg of O <sub>2</sub> After 6 Months 0.7 mg of O <sub>2</sub> After 12 Months 0.6 mg of O <sub>2</sub> per Year, After first Yr	1.6 mg of O <sub>2</sub> After 3 Months 2.1 mg of O <sub>2</sub> After 6 Months 2.8 mg of O <sub>2</sub> After 12 Months 1.1 mg of O <sub>2</sub> per Year, After first Yr	1.8 mg of O <sub>2</sub> After 3 Months 2.3 mg of O <sub>2</sub> After 6 Months 3.1 mg of O <sub>2</sub> After 12 Months 1.7 mg of O <sub>2</sub> per Year, After first Yr
<b>Biobased Rating*</b>	★★★ between 60% to 80% biobased	★★★ between 60% to 80% biobased	★★★ between 60% to 80% biobased
<b>Carbon Footprint</b>	-1 g CO <sub>2</sub> eq per closure	-1 g CO <sub>2</sub> eq per closure	-1 g CO <sub>2</sub> eq per closure
<b>Pad Printed Ends</b>	Yes	Yes	Yes
<b>Customized Printing</b>	Yes	Yes	Yes
<b>Diameter</b>	23.5 mm	23 mm	23 mm
<b>Lengths</b>	44 mm   47 mm   52 mm	44 mm   47 mm	44 mm   47 mm
<b>Weights / Closure</b>	5.9 g   6.3 g   7 g	5.5 g   5.9 g	5.5 g   5.9 g
<b>Density</b>	Overall: 0.302 g/cm <sup>3</sup> Foam: 0.261 g/cm <sup>3</sup>	Overall: 0.302 g/cm <sup>3</sup> Foam: 0.261 g/cm <sup>3</sup>	Overall: 0.302 g/cm <sup>3</sup> Foam: 0.261 g/cm <sup>3</sup>
<b>Extraction Force</b>	200 - 450 N	200 - 450 N	200 - 450 N

Average values based on AS™, Mocon, and/or internal testing methodologies.  
Oxygen transfer rate data is reported in atmosphere conditions.  
Extraction force note: Ambient temperatures, filled bottles at 3 days after closure.  
All Nomacorks are recyclable with other LDPE food packaging.  
Reserva closures are chamfered and pad printed on the ends.

\* Percentage of renewable raw materials | <http://www.okcompost.be/en/recognising-ok-environment-logos/ok-biobased/>

## PATENTED CO-EXTRUSION PROCESS

Our patented co-extrusion process consists of two stages. First, raw materials are mixed, melted, and extruded to create a long, foamed cylinder, forming the closure's core. Then a second extrusion process applies a flexible outer skin, which is thermally bonded to the inner cylinder. The shape is stabilized in cooling water before our high-speed cutting operation cuts the closures to the proper length. Our technology is a continuous process which ensures complete bottle-to-bottle consistency and performance. The products consist of an inner foam core which allows predictable and defined oxygen ingress rates and an outer skin material that ensures smooth extractions, reinsertions and trouble-free bottling line performance.

## PREMIUM END FEATURE

Pad printed finish provides the appearance of growth lines and lenticels for a superior premium look.

The uniformity of the cell size and density in Nomacorc products provides consistent and predictable oxygen permeation.

## SOFT FEEL SKIN TECHNOLOGY

The softer flexible skin also provides robust bottling performances and is easier to grip, with more appealing, softer tactile touch.



## BENEFITS/FEATURES

- Patented co-extrusion technology creates wine closures that provide consistent, predictable oxygen permeation, eliminating off-flavors due to oxidation, reduction, or cork taint
- Uniform, small cell structure of foamed core, combined with elastic skin, provides more precise preservation performance than that of natural, technical, agglomerated, or screw-cap closures
- State-of-the-art manufacturing technology produces closures that are identical from batch to batch, resulting in trouble-free bottling with traditional corking equipment
- Patented flexible skin ensures a long-term, tight neck seal, eliminating leakage, breakage, and crumbling
- Manufactured with food-industry-approved, inert materials
- Maintains the traditional bottle-opening ceremony

## QUALITY/PERFORMANCE TESTED FOR

- Uniform foamed core cell size and density
- Dimensional consistency of length, diameter, and ovality
- Mechanical performance in extraction force; compression and recovery; wine splash; and leakage
- Sensory neutrality
- Heat resistance
- Ink adhesion

## INTERNATIONAL QUALITY CERTIFICATIONS

- ISO (International Organization for Standardization)
- HACCP (Hazard Analysis and Critical Control Point)
- GMP (Good Manufacturing Practices)
- BRC-IOP (British Retail Consortium – Institute of Packaging)