



**AMORIM  
CORK**  
SOUTH AFRICA

## Twin Top<sup>®</sup>

Technical Cork Stopper

**Suberin (cork tissue):**

99,5% Volume; 85% weight

### Sizes

H 44 x Ø 23 mm

H 39 x Ø 23,5 mm

### Washing Colours

Nova 101

### Analysis:

<sup>1</sup>based on supplier test report;

<sup>2</sup>Amorim SA analysis;

<sup>3</sup>Independent Laboratory analysis.



### Product characteristics

Single molded cork with one high grade natural cork disc (5mm) thick on each end, with excellent mechanical properties and consistent natural elasticity, without added rubber expanders.

R.O.S.A.<sup>®</sup> patented vaporization process treatment for cork granules, with high extractive power of volatile compounds from cork that cause sensory deviations.

Total traceability of the production process and rigorous quality control standards.

Consistent low oxygen ingress rates. Ideal for preserving wines' freshness and aromaticity.

Made from natural and renewable cork, 100% recyclable.

### Dimensional specifications (ISO 9727-1;3;7)

Length <sup>1</sup>	± 1.0 mm
Diameter <sup>1</sup>	± 0.4 mm
Ovality <sup>1</sup>	≤ 0.3 mm
Disc Thickness <sup>1</sup>	4 – 6 mm

### Physical – chemical specifications (ISO 9727-1;3;7)

Density <sup>1</sup>	250 – 330 kg/m <sup>3</sup>
Peroxide Content <sup>1</sup>	≤ 0.1 mg
Moisture content <sup>2</sup>	4% - 8%
Extraction Force <sup>2</sup>	20 – 40 daN
Capillary <sup>2</sup>	< 2 mm

Releasable TCA content<sup>3</sup> (ISO 20752) ≤ 1.0 ng/L

### Oxygen transmission rate per year\*

Year 1 (1 to 12 months)	1,34mg/O <sub>2</sub>
Year 2 (13 to 24 months)	0,09mg/O <sub>2</sub>
Year 3 (25 to 36 months)	0,05mg/O <sub>2</sub>
Year 4 (37 to 48 months)	0,03mg/O <sub>2</sub>
Year 5 (49 to 60 months)	0,02mg/O <sub>2</sub>

**Carbon Balance<sup>4</sup>** - 297g/CO<sub>2</sub>e

OTR values established using a non-destructive colorimetric method to determine the oxygen diffusion rate through closures used in winemaking". J. Agric. Food Chem. 2005, 53, 6967-6973 Lopes, P.; Saucier, C.; Glories, Y.  
\*tolerance ±10%

The carbon balance<sup>4</sup> of this cork stopper is negative; this number states the grams of CO<sub>2</sub> captured along the whole production chain, from the forest to the destination, for each single cork.

### Food standard compliance

Amorim Corks are adequate to be in contact with food products, in compliance with Regulation (EC) No. 1935/2004, and Resolution ResAP (2004). All products used during production are adequate to be in contact with foodstuffs, in compliance with Directive 2002/72/CE and 94/62/CE and FDA 21CFR part 175. Cork has the potential to be recycled according to these requirements

Amorim Corks are produced and controlled at Amorim Cork in Portugal, according to their Quality Management System (ISO 9001), Food Safety management system (ISO 22000) and to the International Code of Cork Stopper Manufacturing Practices.

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Page: 1 of 1