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Who or what is ZORK?

ZORK is a privately owned South Australian company that designs and manufactures alternative closures for the beverage industry. Products that have been commercialized to date are STL, for still wine and SPK for sparkling wine.

ZORK STL

What is STL?

STL is a robust, contemporary wine closure that offers a genuine alternative to the performance of existing closures, and presents opportunities for wine marketers to achieve a positive point of difference with consumers in a crowded retail market. STL can also be used for other still beverages, olive oil and liquid food products.

How does STL work?

STL consists of three parts; a robust outer cap with a tamper evident clamp that locks onto the band of a standard cork mouth bottle; an inner metal foil which provides a consistent and predictable oxygen barrier and an inner plunger which creates the 'pop' on extraction and reseals after use.

What are the advantages of using STL?

Offering a market-driven solution unlike any other wine closure, STL seals the bottle while preserving the integrity of the wine, the quality image of the brand and the sense of celebration associated with opening a bottle of wine.

Advantages of STL

Winemaker

- Preserves the wine
- Robust to handle

Marketer

- Creates market differentiation
- Retains the look and feel of wine

Production

- Cheaper than cork and capsule
- Faster and simpler to run than screw cap

Consumer

- Easy to open
- Convenient reseal

For further details see our [STL Delivering Competitive Advantage](#) fact sheet.

Do I need special glass to use STL?

STL has been designed to suit standard cork mouth bottles. There are three main areas of a cork mouth finish that are important to the correct fitment of STL:

1. Distance from top of the bottle to the underside of the band.
2. Internal bore diameter of the bottle.
3. Finish quality on the top edge of the bottle must be free of defects.

For more information please see our fact sheet, [STL Guidelines for Glass](#), a copy is available upon request, or can be downloaded from our [website](#).

How is STL applied?

ZORK is applied to a standard cork mouth bottle by applying downward pressure. Manual application is possible by hand or with a standard crown seal capper. STL can be applied at high speed using change parts for standard capping equipment. Comprehensive bottling information is available upon request or from the technical downloads section of our [website](#).

Where can I bottle with STL?

A number of domestic and international bottling facilities are now equipped to bottle with STL. We are working with major contract bottlers and most will bottle with STL in response to customer requests. We will work with you to facilitate bottling at your preferred bottling site. Please [contact us](#) for more information.

What are the bottling advantages of STL?

Applying STL using standard screw capping or corking equipment with minor modifications is surprisingly simple and faster and simpler to run than screw cap. Further information can be found at our [website](#).

Can I apply STL by hand?

STL can be pushed on my hand or by using a manual capper. The same capping recommendations apply when capping by hand or machinery. A [STL Starter Pack](#) contains a manual capper and is ideal for a trial run. For further information please see our [STL Manual Capping](#) fact sheet or visit our [website](#).

Does STL come in a range of colours?

STL is available in stock, standard and custom colours. Stock colours are Black, Red, Burgundy and Gold. Standard colours are Silver, Dark Green, Yellow and Blue. Custom colours are colour matched to a PMS code or credit card size colour swatch as close as possible using available food grade pigments. For further information please see our [STL Colours & Printing](#) fact sheet or visit our [website](#).

Can I print on STL?

It is possible to print on the top of the closure in a single spot colour. The print area is within a 24.0mm circle concentric with the centre of the top of the cap. For further information please see our [STL Colours & Printing](#) act sheet or visit our [website](#).

Can I emboss or de-boss STL?

De-bossing is available for orders of 150,000 or more. Please contact [us](#) or your local [distributor](#) for further information.

Does STL come with a capsule?

With STL's high quality satin finish and robust, unique design the addition of a capsule is optional.

Is STL recyclable?

STL closures have been designed with the environment in mind and are 100% recyclable. STL is reusable, recyclable and manufactured with less green house gas (GHG) emissions than some other alternatives.

- REUSE - STL is reusable and we encourage consumers to save the closure and reuse it to reseal similar unfinished bottles.
- REDUCE - STL has been manufactured with minimal green house gases and is comparable with other standard wine closures.
- RECYCLE - STL is made from low density polyethylene, one of the most commonly used plastic in food and beverage packaging worldwide. Coded with international material identification code (4), STL can be placed out with other recycling items for regular council collection.

STL is 100% recyclable. It can be discarded with other plastics.

How much does STL cost?

For pricing, please contact [us](#) or your local [distributor](#).

Where is STL manufactured?

STL is manufactured in Australia, Italy and the USA.

What's inside the plunger?

The plunger is hollow and filled with air at atmospheric pressure.

How has STL been tested?

Over three years of independent testing has been carried out by Provisor Pty Ltd. including analytical, sensory and mechanical tests. The tests were reviewed by independent auditor Peter Leske, winemaker and former manager of the AWRI closure trials. Peter's conclusions are "The rigour applied to the independent evaluation of the ZORK exceeds most commercial trials and parallels benchmark closure research. I am encouraged by the performance of ZORK in the trial. ZORK is a closure deserving serious consideration by winemakers."

A copy of the [full report](#) is available upon request or from our [website](#).

How is STL assembled?

STL is assembled using a fully automated assembly machine. The components are induction welded together with no glues or solvents.

Will wines sealed with STL fit in a standard size carton?

Wines sealed with STL require a carton that is 4mm taller than for cork. Some customers have made all of their cartons STL height and putting a layer of cardboard on top of their corked/screw capped bottles.

Can I use STL on other liquid packages such as olive oil or spirits?

STL has been designed specifically for still wine, however the food grade materials are rated for contact with all foods, including up to 100% alcohol. STL can be used for other beverages, spirits, olive oil and sauces as long the correct glass is used. Please note that we have not tested the closure for products other than wine and recommend you conduct your own tests before using STL.

How long can I store wine sealed with STL?

Wine under STL has an expected shelf life of over 5 years (cork is 3-10 and screw cap is 10+) Wines under ZORK do not display reductive characteristics.

Do wines mature and develop under STL?

Wine under STL develops similarly to wine under the best quality cork. STL allows a low and consistent amount of oxygen per day (0.0078 cc/day) and wines sealed with this closure show a natural development in comparison with wine under screw cap showing reductive development.

I would like to purchase a STL Starter Pack

To purchase a [Starter Pack](#), please contact [us](#) or your local [distributor](#).

Can I use STL for hot filled or pasteurised products?

STL is used by some customers for hot-fill & pasteurised beverages. However, we have not undertaken any testing of these bottling processes. We recommend conducting your own trials to determine the suitability STL for your product.

What will happen if i do not use any gas when sealing my wine with STL?

Not using an inert gas when bottling with STL will trap air (21% oxygen) in the headspace of the bottle. This will affect the development of the wine & reduce the expected shelf life of the product, similar to corking without a vacuum.

Contacts & Distribution STL

Global Head Office

ZORK Pty Ltd
7 Hackney Road
Hackney SA 5069
Australia
+61 8 8363 5637
zork@zork.com.au
www.zork.com.au

Marketing and Manufacturing Licensees

USA & Canada

Portola Packaging
+1 (630) 406-8440
info@zorkusa.com
www.zorkusa.com

ITALY & FRANCE

ZORK® peel & reseal closures

Oliver Ogar S.p.a.
Viktoria Szovenyi
+390 458 751 606
victoria.zork@oliver-ogar.com
www.oliverogar.com

ARGENTINA & CHILE

Oliver Ogar S.p.a.
Maria Angela Guarienti

+56 (2) 236 3684
quarienti@oliver-ogar.com
www.oliverogar.com

National Distributors

AUSTRALIA

Plasdene Glass-Pak
plasdene@plasdene.com.au
www.plasdene.com.au

NSW - (02) 9773 8666 or toll free 1800 252 709
Victoria - (03) 9480 3222 or toll free 1800 650 632
Queensland - (07) 3256 6100 or toll free 1800 256 610
Tasmania - (03) 6272 8312 or toll free 1800 333 733
Hunter Region - (02) 4968 3722 or toll free 1300 650 005
South Australia - (08) 8340 2666 or toll free 1800 896 998
Western Australia - (08) 9456 5544 or toll free 1800 783 222

International Distributors

GERMANY

Jochen Drück
Wittmer GmbH & Co.KG
+49 6321-95 86-21
drueck@flaschenwittmer.de
www.flaschenwittmer.de

GREECE

Spiro Voglis
Voglis & Associates
+30 210 981 7264
s.voglis@voglisassociates.com
www.voglisassociates.com

ISRAEL

Dror Aloni
Rakuto Kasei Ltd
+972 4909 0900
aloni@rakuto-kasei.com
www.rakuto-kasei.com

NEW ZEALAND

Ray Watson
Bentwood Distribution
+64 3 329 6191

ZORK® peel & reseal closures

rwatson@xtra.co.nz
www.bentwood.co.nz

SOUTH AFRICA

Michael Fernandes
Innovatra.
+27 82 462 8136
michael.fernandes@innovatra.com
www.innovatra.com

SPAIN & PORTUGAL

Griselda Medina Abelli
Diana Marketing CIA. S.A.
+34 972 65 03 11
comercial@dianamarketing.com

UNITED KINGDOM

James Croxson
William Croxson & Sons Ltd
+44 (020) 8337 2945
sales@croxsons.com
www.croxsons.com

Resellers

Bob & Dianne Morrison
Morrison's of Glenrowan
VIC, AUSTRALIA
(03) 5766-2734
morrison@bordnet.com.au
www.morrisonsofglenrowan.com

Greg Ray
Contract Wine Solutions
VIC, AUSTRALIA
(03) 5989 2907
cwsolutions@bigpond.com

AR Black & Co
Andrew Black
SA, AUSTRALIA
(08) 8362 0040
enquire@arblack.com.au
www.arblack.com.au

Swat Trading
WA, Cowaramup
(08) 9755 5766
emma@swat-trading.com

Bett-A-Brew Beer & Wine Making Supplies
Jayne Lynn
QLD, Gold Coast
(07) 5594 0388
jayne@ibrew.com.au
www.ibrew.com.au

ZORK SPK

What is ZORK SPK?

Developed and manufactured in Australia, SPK is a competitively priced, re-sealable closure for sparkling wines offering high CO₂ retention, consumer convenience and brand differentiation.

How does SPK work?

Incorporating our patented foil barrier, SPK consists of four integral components; a robust, tamper obvious CAP that holds the closure onto a standard crown-cork sparkling wine bottle, a COLLET which locks onto the bottle and is convenient to open and reseal, an inner metal FOIL which is a high quality CO₂ barrier to prevent flatness and a flexible SEAL which provides a high pressure liquid seal preventing leakage under extreme conditions.

What are the advantages of using SPK?

SPK delivers three important key attributes to produce a strong competitive advantage.

- **Convenience** - Easy to open by hand and simple to reseal.
- **Confidence** - Our patented sealing technology maintains the quality of the wine, ensuring it is delivered just as the winemaker intended it to be.
- **Contemporary** - SPK is easy to recognise and stands out from the crowd, providing 'cut through' in a crowded retail environment.

Advantages of SPK

- **Winemaker**
 - • Preserves the sparkle in the wine
 - • Will not taint or scalp
- **Marketer**
 - • Creates market differentiation
 - • Suitable for traditional or contemporary brands
- **Production**
 - • Cost competitive with cork, wire and hood
 - • Reliable, efficient and robust to apply
- **Consumer**
 - • Safe and easy to open
 - • Convenient reseal

Do I need special glass to use SPK?

SPK has been designed to suit global industry standard crown/cork sparkling wine bottle finishes. Three closure sizes are available to suit the most common finishes. It is important to match the closure to the correct glass. For further information please see our [SPK Guidelines for Glass](#) fact sheet or visit our [website](#).

How is SPK applied?

SPK can be applied at high speed using change parts for standard capping equipment. Manual application is possible by hand or with a modified crown seal capper. Comprehensive bottling information is available from the technical downloads section of our [website](#). Customers within Australia should contact [Vinpac International](#).

Where can I bottle with SPK?

For customers within Australia, [Vinpac International](#) has lines ready to bottle with SPK. Please contact [VI Packaging](#) on +61 8 8561 0744 or contact us direct on +61 8 8363 5635.

For customers outside of this region we are working with major contract bottlers and most will bottle with SPK in response to customer requests. We will work with you facilitate bottling at your preferred bottling site. For further information please contact [us](#) or your local [distributor](#).

What are the bottling advantages of SPK?

Applying SPK using modified standard corking or screw capping equipment is surprisingly simple, reliable and efficient than traditional methods. Further information can be found at our [website](#).

Can I apply SPK by hand?

Two piece SPK trial kits are available for short run technical trials, laboratory or media samples. For further details see our [SPK Manual Capping Instructions](#) fact sheet.

Does SPK come in a range of colours ?

SPK is available in stock, standard and custom colours. Cap and Collet are separate components. Colours can be mixed or matched, depending on your branding requirements. Stock colours are CAP black, COLLET red, gold or silver and have a two week lead time. Standard colours are CAP silver, gold or red COLLET black have a six week lead time.

Custom colours can be colour matched to a PMS code or credit card size colour swatch as close as possible using available food grade pigments. All new custom colours are subject to technical testing. An initial setup charge and minimum order quantity may apply. For further information please see our [SPK Colours, Printing, Embossing & Debossing](#) fact sheet or visit our [website](#).

Can I print or decorate SPK?

The top of the collet is available for printing in a single spot colour. An initial setup charge may apply. The print area is within a 19.0mm circle concentric with the centre of the top of the collet. SPK provides visual differentiation while retaining the elegance required in the international wine market. With SPK's high quality satin finish and unique design the addition of a hood is optional. For further information please see our [SPK Colours, Printing, Embossing & Debossing](#) fact sheet or visit our [website](#).

Can I emboss or de-bossed SPK?

A 360° "Brand Band" width of 6.0 x 113.0mm is available for in-mould embossing only. The top of the collet is also available for embossing. For further information please see our [SPK Colours, Printing, Embossing & Debossing](#) fact sheet or visit our [website](#).

Can I use a hood with SPK?

With SPK's high quality satin finish and robust, unique design the addition of a hood is optional.

Is SPK recyclable?

SPK has been designed with the environment in mind. It is reusable, recyclable and manufactured with less green house gas (GHG) emissions than many other alternatives.

- RE-USE – SPK can be reused to reseal similar bottles
- REDUCE - SPK has a carbon footprint significantly less than cork and muselet.
- RECYCLE - SPK is 100% recyclable

For further information please see our [SPK Environment](#) fact sheet. Additional information can be found in our Greenhouse Gas (GHG) lifecycle assessment [Carbon Footprint Summary Report](#).

How much does SPK cost?

For pricing, please contact [us](#) directly or your local [distributor](#).

Where is SPK manufactured?

SPK is manufactured in Australia.

How has SPK been tested?

SPK has been independently tested by [Provisor](#) and several large producers around the world. For further information please see our [SPK Technical Test Results - Summary](#) report.

How is SPK assembled?

SPK is assembled using a fully automated assembly machine. The components are induction welded together with no glues or solvents used.

Will wines sealed with SPK fit in a standard size carton?

SPK does not require any change to the size of a standard carton.

Can I use SPK on other liquid packages such as Prosecco, Cava and sparkling water?

SPK has been designed specifically for sparkling wines, however the food grade materials are rated for contact with all foods, including up to 100% alcohol. SPK can be used for other beverages, although this may be dependent upon mandatory packaging laws in each particular European country. It is possible to use SPK on other beverages with the same level of dissolved CO2 as long as the as long as the correct glass is used. Please note

that we have not tested the closure for liquids other than sparkling wine and recommend you conduct your own tests before using SPK.

How long can I store wine sealed with SPK?

SPK has a consistent performance similar to a quality cork and hence has a similar expected shelf-life.

Do wines develop under SPK?

Wine under SPK develops similarly to wine under the best quality cork. SPK allows a low and consistent amount of oxygen per day and wines sealed with this closure show a natural development.

I would like a SPK Trial kit.

Please contact [us](#) direct or contact your local [distributor](#) to obtain a SPK trial kit.

How can I get sample or purchase SPK?

To purchase or receive samples of SPK please contact [us](#) directly or your local [distributor](#).

Contacts & Distribution SPK

Global Head Office

ZORK Pty Ltd

7 Hackney Road

Hackney SA 5069

Australia

+61 8 8363 5637

zork@zork.com.au

www.zork.com.au

Distributors

AUSTRALIA & NEW ZEALAND

Lisa Roberts

VI Packaging

PO Box 345

Stockwell Road

Angaston SA 5353

+61 8 8561 0744

vinpacpackaging@vinpac.com.au