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PRESS RELEASE

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Inseto: First Distributor in UK & Ireland to Supply SVHC-free Chip Encapsulation Adhesives for High Reliability Electronics Assembly Applications

Andover, United Kingdom – Inseto is the first distributor serving the UK and Ireland to supply chip encapsulation adhesives for high reliability applications that are free of substances of very high concern (SVHC). Easy and trustworthy access to **SVHC-free** adhesives made in the EU will become essential if, or more likely when, industry regulations come into force banning the manufacture of such products.

Inseto has written a free guide - [‘Likely Changes to Chip Encapsulation Adhesives’](#) – on this important topic.

As DELO’s exclusive distributor in the UK & Ireland, Inseto can supply DELO MONOPOX GE6585 and GE6525, which are primarily used for Dam & Fill chip encapsulation, and DELO DUALBOND GE7065, which is mainly used for Glob Top chip encapsulation. All three cure to form rigid protective coatings and can be used for encapsulating not only semiconductor die but also sensors, which is a common practice in the automotive, aerospace and harsh environment industrial sectors, for example.

“Whilst not all chip encapsulation adhesives contain SVHCs, those that are needed to ensure high reliability do,” comments Eamonn Redmond, Sales Manager of Inseto. “And the European Chemical Association is constantly reviewing and working towards banning the use of SVHCs. Whilst it’s not certain *when* adhesives

containing SVHCs will be banned they *almost certainly will be*. In addition, these new adhesives offer significant processing and performance upgrades over their SVHC-containing counterparts.”

DELO MONOPOX GE6585, DELO MONOPOX GE6525 and DELO DUALBOND GE7065 are believed to be the first SVHC-free adhesives on the market for applications where high reliability is a necessity. They are offered as alternatives to existing DELO adhesives currently used for Dam & Fill and Glob Top chip encapsulation in applications where high reliability is important.

All three new adhesives have high shear strengths, low coefficients of thermal expansion (CTE), high glass transition temperatures (T_g), extended operating temperature ranges and an extremely high resistance to chemicals.

GE6585 and GE6525 are one-part heat-cured black epoxies. Compared to their SHVC-containing counterparts, the CTE has been nearly halved. However, the new adhesives retain the extremely high T_g of the existing adhesives (>170°C), making them ideal for high reliability applications; ensuring minimal risk of board warpage during assembly.

GE7065 is also a one-part heat-cured black epoxy with a low CTE and high T_g. It also has the added advantage of being light-fixable (optional) immediately after dispensing. In addition, the filler particle size is significantly reduced (to around 7µm), allowing the adhesive to flow more easily between very fine-pitch wire bonds.

All three new adhesives boast significantly shorter curing times than their SVHC-containing counterparts - 30 minutes at 100°C for GE6585 and GE6525, and 60 minutes at 130°C for GE7065 – and can be ordered now through [Inseto](#).

MAIN ENDS



Photo caption: DELO MONOPOX GE6585, DELO MONOPOX GE6525 and DELO DUALBOND GE7065, available in the UK and Ireland through Inseto, are believed to be the first SVHC-free adhesives on the market for applications where high reliability is a necessity.

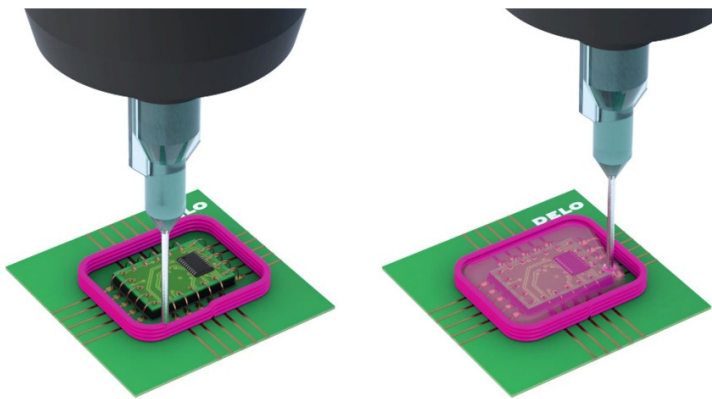


Photo caption: SVHC-free DELO MONOPOX GE6585 and GE6525 are both ideal for chip encapsulation techniques such as Dam & Fill, as shown respectively in the above images.

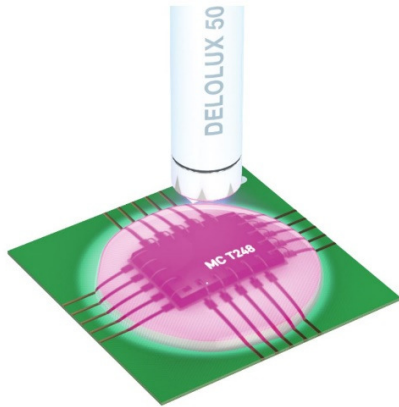


Photo caption: SVHC-free DELO DUALBOND GE7065 is light fixable and is ideal for Glob Top encapsulation.

Notes to Editors

This press release was written and issued on behalf of Inseto (UK) Limited by technical content creation and communications agency DECLARATION (www.declaration.co.uk, +44 (0)1522 789000).

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About Inseto (UK) Limited

Established in 1987 and ISO 9001:2015 Certified since 2005, Inseto is a leading technical distributor of equipment and related materials to the semiconductor, microelectronic & advanced technology sectors, as well as adhesives for electronics, automotive and industrial manufacturing.

The company has three divisions, namely:

- **Equipment Division**, which provides manufacturing equipment for the Microelectronic, Photonic, Electronic, Photovoltaic and Semiconductor industries etc.
- **Consumable Division**, which provides assembly materials and machine consumable items for the Semiconductor, Electronic, Microelectronic, Photonic MEMS and Hybrid assembly industries etc.
- **Adhesive Division**, which provides technically advanced adhesives for bonding, sealing and encapsulation, and which exclusively represents DELO Industrial Adhesives in the UK and Ireland.

Inseto is based in Andover in a high-tech building that houses an adhesives application laboratory, demonstration areas for equipment and instrumentation, and training rooms.

Customer support is at the heart of Inseto's *Total Customer Service* philosophy, where the company aims to understand, communicate and fulfil the needs of its customers. The company is committed to meeting customer requirements through the application of high standards of quality and customer care (both before and after sales) by continually investing in training and adopting a policy of continuous improvement.

For further information please visit www.inseto.co.uk