

## How can I tell if the adhesive is cured? Encompass technology!

The new Dymax Encompass technology is now in a range of UV/visible light cure adhesives. Encompass combines the benefits of colour change once cured with red fluorescence for inspection. This combination offers the significant improvements in production efficiencies gained from rapid on-demand curing while ensuring greatly improved quality outcomes, since it is possible to quickly inspect full adhesive joint coverage and cure, as well as post cure assurance of bond line integrity coupled with material validation post production.

We expect this new blending of multiple quality assurance features to be much appreciated in those areas where great accuracy, repeatability and verification are required, such as *medical device manufacturing*, and *electronics production*. Know that the adhesive is cured and is in the right place!

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Encompass adhesives exhibit colour change (**See-Cure**) and red fluorescence (**Ultra Red**) coupled with very fast light curing capability. While in an uncured state, Encompass adhesives formulated with **See-Cure** technology are blue in colour for easy verification of joint fill and placement. Then as the product cures with sufficient exposure to [UV curing light](#), its blue colour transitions to colourless and provides obvious visual confirmation that the adhesive is fully cured and the bond site secure. The further incorporation of **Ultra-Red** technology within Encompass products causes the product to fluoresce bright red under low-intensity black light (365 nm), contrasting extremely well on plastics that naturally fluoresce blue in colour (like PVC). This allows manufacturers to incorporate automated or manual quality inspection to verify complete and accurate placement of the adhesive after cure, as

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well as enabling product validation.

Encompass adhesive technology is presently available to suit varying substrates including platinum, stainless steel, PC, PVC, ABS, CAP, PA, Nylon 12, PVC, PET and PEBA.

Supplied by:

**intertronics**

INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e [info@intertronics.co.uk](mailto:info@intertronics.co.uk)

Last updated: July 2023

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