



## Safeguard Against Quality Issues with Easy Cure Confirmation and Bond-Line Inspection

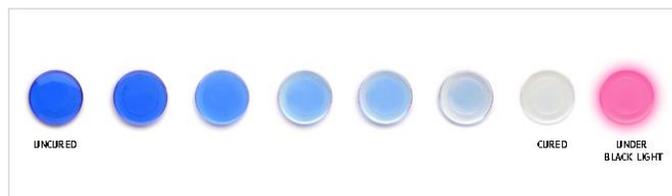
Dymax adhesives formulated with Encompass™ technology incorporate Dymax exclusive See-Cure color change and Ultra-Red® fluorescing technologies into one light-curable product. As a result, manufacturers gain efficiencies from rapid on-demand curing with easy cure confirmation and post-cure bond-line inspection.

Uncured adhesives formulated with Encompass™ technology are blue in color, allowing easy confirmation of adhesive placement and quantity. Upon exposure to sufficient light energy, the adhesive transitions from blue to colorless indicating that the material has cured. The color change can be easily seen with the naked eye and requires no special equipment.

Post cure, the adhesive remains clear until exposed to low-intensity UV light, at which point it then fluoresces bright red for easy bond-line inspection. This is particularly effective when bonding plastics that naturally fluoresce blue, such as PVC and PET. The Ultra-Red® fluorescence does not absorb the same wavelengths as those used to cure the adhesive, resulting in faster, deeper cures when compared to blue fluorescing products.

- Easy confirmation of adhesive placement, quantity, and cure
- Confirm depth of cure
- Ultra-Red® fluorescing for accurate bond-line inspection
- Easy product authentication
- Faster, deeper cures when compared to blue fluorescing materials
- No special equipment or additional space required
- LED-curable grades available

The patented Ultra-Red® fluorescing compound is exclusive to Dymax for use in light-curable adhesives and coatings. When measured, this compound produces a unique energy peak that cannot be reproduced by other fluorescing compounds. This offers manufacturers the ability to assemble or mark their products so they can be positively identified.



## Available Products

Product	Applications	Features	Viscosity	Substrates
<b>112-MSK-UR-SC</b>	Anesthesia face masks; breathing circuits; laryngeal tubes; nasal pillow masks; resuscitation bags	UV/Visible light cure; LED-curable; self-leveling Newtonian formula; ISO 10993 tested	1,200 cPs	PVC, SEBS, PC, PS, ABS
<b>212-CTH-UR-SC</b>	Marker band adhesive; catheter assembly	UV/Visible light cure; LED-curable at 385 nm; moisture resistant; ISO 10993 tested	10,000 cPs	Platinum, PC, PS, PA, PVC, ABS, CAP, SS
<b>215-CTH-UR-SC</b>	Balloon/lumen; hub/lumen; marker band adhesive; manifold bond joints	UV/Visible light cure; LED-curable at 385 nm; one-part formulation; ISO 10993 tested	20,000 cPs	Nylon 12, PC, PVC, ABS, PET, PEBA
<b>1208M-T-UR-SC</b>	Tube sets; needle bonding; medical potting	UV/Visible light cure; LED-curable at 385 & 405 nm; ISO 10993-5 cytotoxicity	6,000 cPs	PC, PMMA, PS, ABS, SS
<b>1209-M-UR-SC</b>	Assemblies; tube sets; needle bonding; medical potting	UV/Visible light cure; LED-curable; self-leveling Newtonian formulation; ISO 10993-5 cytotoxicity	1,200 cPs	PVC, PC, PS, ABS, SEBS
<b>1405-M-UR-SC</b>	Needle bonding; dialyzers; winged infusion sets; collection sets; point of care devices; safety sharps; combination devices	UV/Visible light cure; LED-curable at 385 & 405 nm; deeper section cure; ISO 10993-5 cytotoxicity	150 cPs	SS, PC, PMMA, FR4, ABS
<b>1405M-T-UR-SC</b>	Needle bonding; blood transfer device; winged infusion sets; collection sets; safety sharps devices	UV/Visible light cure; LED-curable at 385 & 405 nm; fast rate of cure; deeper section cure; ISO 10993-5 cytotoxicity	7,000 cPs	SS, PC, ABS, PMMA

Visit [www.dymax.com/adhesives/encompass](http://www.dymax.com/adhesives/encompass) for more information on Encompass™ technology.



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