

Press Release

For Immediate Release

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E3 Displays Announces Next Generation Optical Adhesive for LCD Bonding

New optical bonding adhesive for use in rugged environment applications is the latest addition to E3 Displays' Sollego[®] family of adhesives.

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E3 Displays' (E3D) newest adhesive was developed for bonding filter glass, touch panels, and other substrates to LCD displays and provides ruggedness and superior performance while improving production efficiencies. Developed to address specific military and avionics market needs, this adhesive is the latest custom formulation to be added to the E3D's Sollego adhesive product line. It features ultra high strength adhesion, outstanding long term optical clarity, and optimal mechanical properties. As with all of E3D's Sollego products, this formulation overcomes the common quality issues associated with the use of silicones and epoxies - specifically long term reliability and yellowing.

This adhesive has shown to be effective in bonding a wide variety of materials and has been successfully tested in temperature ranges from -55°C to 100°C with no decrease in adhesion performance or optical clarity. Likewise, long term solar aging and humidity testing showed no degradation in the adhesive's bonding ability or clarity (no yellowing or cloudiness). This bonding agent is particularly well suited for the avionics, military, marine, and industrial sectors of the LCD market. Designed for efficient processing, the adhesive's UV properties allow for efficient production of lots exceeding 1,000 units per month.

Pete Bonesio, E3D's Vice President of Operations states, "This new adhesive's strength and clarity is phenomenal, while its manufacturability is outstanding. Based upon results of E3D's comprehensive testing, it is well suited for rugged use in the most grueling environmental conditions. The Sollego adhesives developed by E3D are a direct result of the market's demand for a superior alternative to silicones and epoxies."

About E3 Displays

E3D is a display engineering and manufacturing company which works with OEM/ODM customers in the avionics, marine, military, industrial, automotive and medical electronics industries to define, design and produce customized flat panel display systems and components.

Display enhancements include the complete re-design of the backlight optics system, integrating electronics and mechanical assemblies, and improving the front screen performance using anti-reflective, anti-glare or EMI filter glass or incorporating touch panel technology. Production of such enhanced displays has resulted in the engineering and development of non-silicone based, UV curable adhesives possessing superior optical clarity and "non-yellowing" characteristics.

For more information regarding E3 Displays and its products, please see their website at www.e3displays.com or contact Dennis Rahrig, Vice President of Sales, at 602-288-9758.