

# PRESS INFORMATION

## HumiSeal® Introduces Vivid Cure™ – Liquid Optically Clear Adhesives

*For Immediate Release*

HumiSeal®, a global leader in the protection of electronics introduces the Vivid Cure™ product line of Liquid Optically Clear Adhesives (LOCA). These uniquely formulated products currently serve a broad spectrum of industries. Vivid Cure products are available directly from HumiSeal or from our authorized channel partners.

[Vivid Cure LOCA products](#) are uniquely formulated urethane acrylates that provide the LCM assembler with the highest level quality and product features. The current offering features index matching, very low shrinkage, high bond strength, along with low modulus for ultra-low MURA, which makes them ideal for either the direct bond or the cover lens process. Furthermore, the product's unique low energy UV curing capability reduces the temperature during assembly which therefore minimizes the stress on the LCD.

Vivid Cure LOCA products are offered in standard viscosities, however they can be adjusted to the assembler's requirements. Dam forming Vivid Cure 70521 LOCA is available in convenient cartridge packaging. Low and medium viscosity products (70501, 70511 and 70531) are designed for high efficiency and high production environments. All can be used with a variety of dispensing equipment. Materials have been designed with rheology to enable fast bubble release. These HumiSeal materials are manufactured with highest quality supply ingredients for maximum cleanliness.

Many additional products are available and products can be developed to fit your application needs.

<i>Features</i>	<i>Benefits</i>
<i>A suite of products</i>	Various application capability - Touch panel, direct bonding, large format, cover lens, damming
<i>Low Energy UV Cure</i>	Low temperature during application reduces stress on the LCD
<i>Low Shrinkage</i>	Minimizes deformation induced stresses on the LCD for ultra-low MURA
<i>Low Modulus</i>	In combination with shrinkage reduced internal stress on LCD for ultra-low MURA
<i>High Adhesion</i>	Good adhesion to multiple substrates for ultimate ruggedizing adhesive
<i>Low Haze</i>	Low light scattering for sharp, crisp image quality
<i>High Transmission</i>	Ultra-clean manufacturing leading to minimal particulate build up in liquid for high transmittance

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Index matching	Elimination of lateral displacement and reflective glare for high contrast results
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Low Dielectric Constant	Optimal for the use with various technology touch screen displays
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Keith Waryold (Vice President of Industrial Materials and Technology) said *“The introduction of the Vivid Cure LOCA product line is a true testament of HumiSeal’s advancement in technology. As a leader in electronic protection, we continue to innovate and provide a complete solution for today’s protection needs. Our technologists continue to provide critically enabling new products ideally suited and customized to best fit the customer needs. We are excited about the Vivid Cure Liquid Optically Clear Adhesive product and the possibilities these materials offer our customers.”*

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#### About HumiSeal

[HumiSeal](#) provides the widest selection of products to meet its customer’s tough electrical and environmental requirements. It manufactures over 60 coatings, thinners, strippers and masking materials and can also offer custom formulations to meet unusual specifications. HumiSeal® products are qualified to MIL-I-46058C, IEC 60664-3, UL 746E and IPC-CC-830 standards.

HumiSeal is an ISO TS-16949 qualified supplier.

HumiSeal® is part of the Chase Electronic and Industrial Coatings group, which in turn is a part of the Chase Corporation enterprise. Chase Corporation produces adhesives, sealants, tapes and membranes from a wide variety of chemistries such as epoxies, urethanes, acrylics, silicones and elastomers. These products are used for corrosion protection in electronic, pipeline, bridge, highway and architectural applications.

Chase Corporation was founded in 1946 and has grown to become an innovative manufacturer of advanced protective materials with a global customer base. Two operating divisions manage the development, manufacture and marketing of industry leading brands that provide highly engineered protective features for use in the demanding applications of energy, electronics, telecommunications, construction, transportation and utilities.

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