

New Panacol
UV adhesives with
Moisture Cure
for PCB and display assembly



Panacol has developed a group of new adhesive products with low ion content that cure with UV light and moisture. In areas where shadowing prevents UV light curing, atmospheric and surface moisture will initiate the adhesive curing process. These adhesives were specifically developed for assembling or coating electronic components that are sensitive to heat.

Six moisture curing adhesives are available from Panacol. Vitralit® UD8050 is a mid-range viscosity product that is ideally suited for encapsulating and coating components. When fully cured, this product forms a hard and durable protective coating. The Vitralit® UD8050-LV is a low viscosity version that can be applied as a conformal coating by spraying or jet dispensing. Vitralit® UD8050-MV-F is slightly higher in viscosity than the Vitralit® UD8050. Although higher in viscosity, its composition is shear thinning which facilitates enhanced flow control and focused dispensing. This products also contains a fluorescing additive to assist with automated visual inspection systems.

For display lamination, Vitralit® UD8540 provides high clarity and low shrinkage. The moisture cure properties of this adhesive initiate adhesive curing under wire connections and along the display edge which typically prevents transmission of light for curing.

Vitralit® UD8052-F and 8053-F are highly flexible encapsulants formulated for high-volume jet dispensing. The high thixotropy of these adhesives permits controlled placement with no slumping or migration. Both adhesives have low ion content to prevent corrosion in electronic components and assemblies, and they fluoresce to enhance automated inspection processes.

Panacol UV/moisture curing encapsulants are typically transparent with fluorescence, but they are also available in a blue color. Other colors may be available on request.

▶ *[Click here for technical datasheet of Vitralit® UD8050](#)*