

Press Release

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Steinbach, 15 May 2019

New optically clear adhesive

Panacol developed a new optically clear adhesive: Vitralit® 50004. The new adhesive is a one-component uv curable acrylic adhesive with ultra-low viscosity, which is used for bonding displays and laminating optics.

Vitralit® 50004 adheres specifically to a variety of substrates including coated glass, PET and other plastics and films. It possesses a very low viscosity that facilitates fast filling of cavities without air entrapment. The adhesives cures quickly with minimal shrinkage for less residual stress between substrates.

Large-surface bonding or lamination of displays can be optimized by using Hoenle's high-performance and energy efficient LED Spot 100 curing system which is perfectly matched to the photoinitiators of Vitralit® 50004. The alignment of the LEDs of the Spot 100 ensures high intensity and homogenous light distribution. The LED Spot 100 heads can be mounted together without gaps to match the size of the display being bonded.

Once cured, Vitralit® 50004 is very soft. Thermal stresses between dissimilar substrates can be neutralized without causing delamination. It's high degree of flexibility enhances performance through repeated thermal excursions. The cured adhesive is optically clear and non-yellowing with excellent light transmission.

About Panacol:

Panacol-Elosol GmbH, a member of the global Hoenle group, is an international supplier of adhesives with an extensive product range that includes UV curable adhesives, structural adhesives, and conductive adhesives. Panacol is also a reliable provider of UV processing systems, supported by Dr. Hoenle AG. Hoenle is a global technology leader and manufacturer of industrial UV curing devices and systems.