

Press Release

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New UV-adhesive for plastic bonds

At the Medtec show in Stuttgart/Germany Panacol presents a new adhesive from its successful Vitralit® UV 4050s series: Vitralit® UV 4050 MV features medium viscosity and is best suited for bonding plastics, especially for medtech applications.

With 450 to 650 mPas Vitralit® UV 4050 MV is of medium viscosity. When cured it shows a very good flexibility and an excellent stability. This transparent adhesive has a very low shrinkage of only 2%.

The newly developed adhesive provides excellent adhesion to most plastics like PVC, ABS, SAN and PC, as well as to stainless steel and glass. If at least one assembly material is transparent, Vitralit® UV 4050 MV will cure very quickly to produce a strong and reliable bond. UV blocked materials like polycarbonate can be cured thanks to the adhesive's ability to cure with visible light (>400nm).

Vitralit® UV 4050 MV cures in seconds with UV-A and visible light. Both gas discharge lamps and LEDs are suitable to use for curing. Excellent curing results were achieved with LED lights with a wavelength of 405 nm. Vitralit® UV 4050 MV is currently being tested according to USP Class VI and DIN ISO 10993-4/-5 standards for use in medical applications.

Panacol-Elosol GmbH, a member of global Hoenle group, is an international supplier of adhesives with a broad 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. At Medtec in Stuttgart, Panacol presents its high tech products for applications in the field of medical device assembly.

Visit us at Medtec in Stuttgart in hall 5, stand E03!