

Press information

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New Water-Resistant, Biocompatible Cyanoacrylate Adhesive

Panacol presents its latest moisture- and water-resistant cyanoacrylate adhesive Cyanolit® 290 WR. This acrylate-based instant adhesive impresses with its fast-curing time and high adhesive strength on metals and thermoplastics such as ABS and PVC.

The Cyanolit® 290 WR instant adhesive is a solvent-free 1-component adhesive that cures within seconds utilizing atmospheric humidity. After just a few minutes, the adhesive strengths lead to substrate fractures on plastics and achieve tensile shear strengths of up to 16 MPa on metals.

The main feature of Cyanolit® 290 WR is its reliable adhesion after several hundred hours in an ageing test at 85°C and 85% humidity. Here, the latest cyanoacrylate from Panacol still achieves more than 50% of its initial performance. Cyanolit® 290 WR exhibits extreme media resistance, especially after storage in pure engine oil, isopropyl alcohol or water. Even after 500-1000 hours, no loss of tensile shear strength can be determined. This extreme chemical resistance in particular makes Cyanolit® 290 WR an ideal adhesive for fast, reliable bonding between plastics and metals that may also be exposed to media.

This newly developed Cyanolit® 290 WR adhesive has also been tested in accordance with DIN ISO 10993-5 and is therefore also suitable for use in medical devices or articles and wearables.

About Panacol

Panacol-Elosol GmbH, as part of the Hoenle Business Unit Adhesive Systems, is an internationally active manufacturer in the growth market for industrial adhesives with a broad product range from UV adhesives to structural adhesives and

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conductive adhesives. Together with Dr. Hoenle AG, the parent company of the Hönle Group and the world's leading supplier of industrial UV technology, Panacol presents itself as a reliable system provider from bonding to curing of adhesives.



Caption:

The display of a water-resistant smartwatch was glued into the watch case with Cyanolit® 290 WR (shown here in light blue)

Photo: Panacol

Note: *The photographic material may only be published in connection with the associated press release.*