

Press information

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Steinbach/Taunus, 27 May 2024

New media-resistant epoxy adhesive for filter bonding

Panacol has developed a new epoxy resin adhesive specifically for bonding filters for oil, gas, and particle filtration. Structalit® 5826 VT is highly resistant to fluids and media and is very suitable for bonding filters used in shipbuilding and engine construction, exhaust gas purification systems, and the renewable energy industry.

Structalit® 5826 VT is a high-viscosity, one-component epoxy adhesive. High viscosity allows the adhesive to be applied easily between the filter and filter cap, as well as on the longitudinal seam of the filter fabric, without undesirable run-off. Despite its high viscosity, the adhesive effectively penetrates the filter fabric to create a strong, resilient bond.

Structalit® 5826 VT is cured thermally, requiring only a few minutes in an oven at 150°C. It can also be hardened with an induction curing process. With a temperature resistance of up to 200°C, this adhesive is suitable for use in a wide variety of liquid, gas or particle filters.

Epoxy-based adhesives generally possess higher resistance to environmental and media attack. Structalit® 5826 VT was created to be particularly resistant to oils and liquids. It has passed reliability testing in fluids according to DIN 53521 (70:30 Isooctan:Toluol); and passed oil resistance tests after 1000h aging.

All these characteristics make Structalit® 5826 VT the perfect choice for bonding oil, gas, and particle filters in many industries.

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About Panacol

Panacol-Elosol GmbH was founded in 1978 as a German subsidiary of the Swiss Panacol AG in Frankfurt. In 2008, Panacol was acquired by Munich-based Dr. Höhle AG, a leading global supplier of industrial UV equipment technology. As a member of the Höhle Group, Panacol is a knowledgeable and reliable provider of adhesives, coatings, and UV/LED curing equipment for OEM and contract manufacturers around the world.



Caption:

Epoxy Structalit® 5826 VT (here marked in blue) is used to bond a particle filter

Photo: Panacol

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