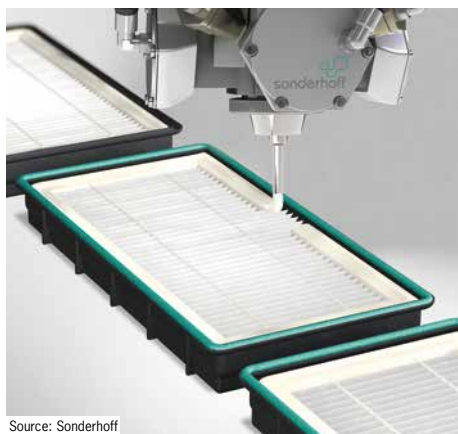


Higher economy through foamed filter adhesives

Sonderhoff, part of **Henkel** since July 2017, will present its product solutions for the filter industry at the Filtech 2018 (hall 11.1, stand R9). The company's silicone and polyurethane-based two-component (2C) material systems for sealing, gluing and potting of filter applications are applied directly to the filter components using Sonderhoff mixing and dosing systems. The applications range, e.g., from vacuum cleaners to automotive

filters to air filters for HVAC systems. At the trade show, the company will demonstrate a filter application live using the dispensing cell **Smart-M**. The sys-

For gluing and sealing of pleated filters, the foamed adhesive sealant Fermadur is applied along the filter frame contour through the mixing head.



Source: Sonderhoff

tem will meter a **Fermadur** polyurethane-based adhesive sealant onto the insides of an MDF filter frame over its entire surface. The pleated filter placed in the filter frame is sealed airtight on all sides. Thanks to the foamed cell structure of the filter adhesive and thus lower density, up to 50 % less material can be used, saving money and weight. Sonderhoff's PU systems are said to meet the quality requirements of VDI 6022 for use in filters in ventilation and air conditioning systems in hospitals and for chip production in cleanrooms. The PU-based filter systems offer features such as low-emissions for low VOC concentrations in clean-rooms, anti-fungicidal or anti-bacterial properties or flame retardance ac-

ording to UL94 HF1 for sealing foams or UL94 V0 for adhesive sealants. Temperature-resistant silicone foams from the **Fermasil** product range are used to seal air filters in the engine compartment at high temperatures. In addition, the PU foam gaskets **Fermapor K31 Low Emission** will be presented, which are mainly used in automotive air conditioning systems. The low-emission sealing systems meet, e.g., **Daimler's** specification DBL 5452-13, which specifies as target values for VOC emissions 100 µg and for fogging behaviour 250 µg per gram of polyurethane.



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