

Sonderhoff to debut new two-component PU adhesives at Bondexpo 2017

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The Sonderhoff Group, which belongs to Henkel AG & Co. KGaA since the beginning of July, will present the new adhesive systems of the Fermaglu product family at Bondexpo 2017.

The gluing process with Fermaglu will be demonstrated live with the SMART dispensing cell developed by Sonderhoff, which automatically applies the two-component polyurethane (PU) adhesive to prepared substrate samples.

The company developed the Fermaglu adhesives in various degrees of hardness for a recipe assembly adapted to different applications. This gives the user exactly the adhesive hardness that matches the expansion behavior of the substrates to be bonded to one another.

In the event of possible material stresses due to different expansion behavior of the substrates because of temperature, Fermaglu has a balancing effect.

The Fermaglu adhesive systems also offer a wide range of viscosities ranging from liquid to stable. This allows the application of glue beads of different sizes. With Fermaglu, a broad spectrum of tensile strength and elasticity can be covered.

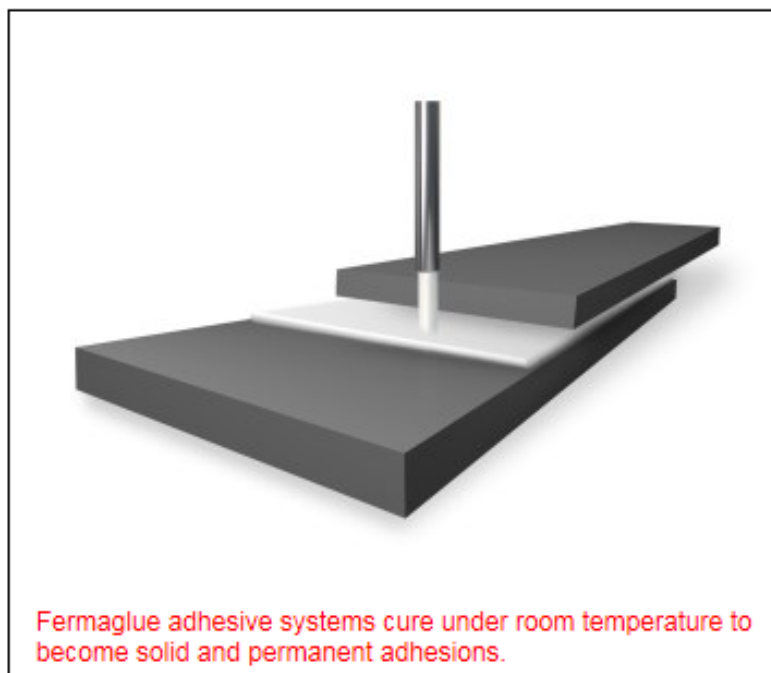
Solid and permanent adhesive bonds are formed under curing at room temperature. The curing speed is variable over the formulation in wide ranges. The through-hardening can be accelerated by gentle heating in the tempering furnace or by infrared irradiation.

The Fermaglu adhesive systems have very good adhesion to thermoplastics or thermoset (also fiber reinforced) plastics, SMC plastic, metal or glass, according to Sonderhoff.

There are a large number of components in the vehicle construction sector for example: KTL coated metal frames for sliding glass roofs, PMMA or PC with scratch-resistant coatings, gluing of headlight housings, fiberglass sandwich constructions, roof panels, trim and spoilers as well as ABS or PP-based tailgates.

In addition, the Fermaglu recipes are designed in such a way that the pot and reaction times can be adjusted flexibly. Thus the adhesives are adapted to different process requirements and production concepts in their reaction behavior.

Bondexpo 2017 will take place from October 9-12 in Stuttgart, Germany.



Fermaglu adhesive systems cure under room temperature to become solid and permanent adhesions.