



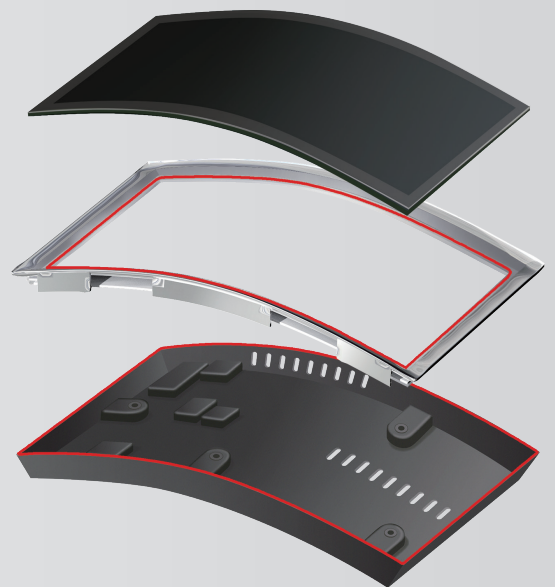
AUTOMOTIVE DISPLAY SOLUTIONS **STRUCTURAL BONDING**

Challenge Narrow Border Designs

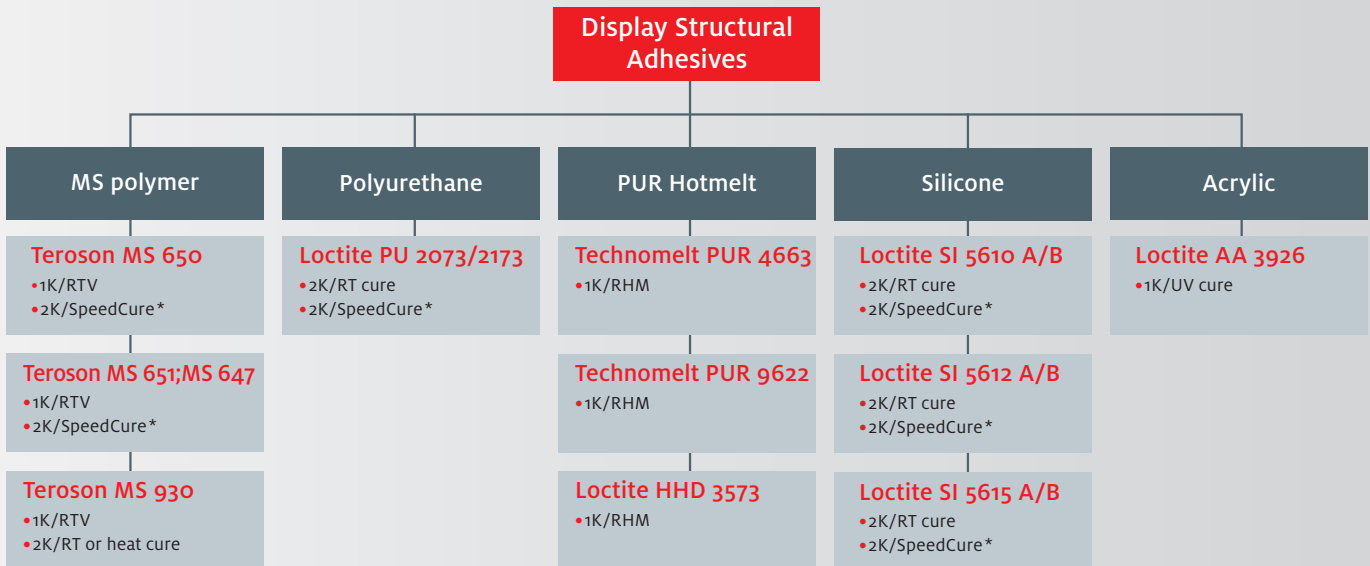
Further unique design for display brings many requirements for display structural bonding. The frame gets thinner and has narrower border to the screen, and use many dissimilar materials. For even those unique designs, Henkel can offer suitable and beneficial structural bonding solutions.

Display Structural Bonding **Broad Product Portfolio**

As a globally leading adhesive company, Henkel's one or two component structural bonding solutions can be supplied with a range of curing mechanisms, designed to offer flexibility in your assembly process.



Product Portfolio



*SpeedCure™ is a Henkel method to accurately and efficiently cure adhesives in display applications. Practicable cycle time for mass production is 30-60 seconds and suitable to bond e.g. cold bended glass/plastic lenses to curved frames. Enables to define with high accuracy the areas to be cured and not to be cured.

Focus technologies - overview

	MS polymer	Polyurethane	PUR Hotmelt	Silicone	Light cure Acrylic
Technology	1K or 2K	2K	1K	2K	1K
Application temperature	RT	RT	Heat	RT	RT
Open time	Short (2K) to mid (1K)	Short	Variable	Short	Unlimited
Curing mechanism	Moisture (1K) or moisture (2K)	Chemical	Physical setting and moisture	Moisture (1K) or Chemical (2K)	UV
Fixture & Curing time	Various (depending on formula and 1K/2K)	Fast	Fast fixture	Slow (1K) to Fast (2K)	Very Fast
Mechanical resistance	++	+++	++	+	+++
Flexibility	++	-/++	-/++	+++	-
Temperature resistance	++	++	+++	++++	++

Europe
Germany
 Henkel AG & Co. KGaA
 (Headquarters)
 Henkelstraße 67
 40589 Düsseldorf
 Germany
 Phone: (+49) 211.797.0

Americas
U.S.A.
 Henkel Corporation
 Madison Heights
 32100 Stephenson Highway
 Madison Heights, MI 48071
 United States
 Phone: (+1) 248.583.9300

Asia-Pacific
China
 Henkel (China) Investment Co.,Ltd
 Building 7 & Building 6 (5F-7F), The
 Springs Center No.99, Jiang Wan Cheng Road,
 Yang Pu District, Shanghai 200438
 China
 Phone: (+86) 21.2891.8000



www.henkel-adhesives.com/automotive-electronics