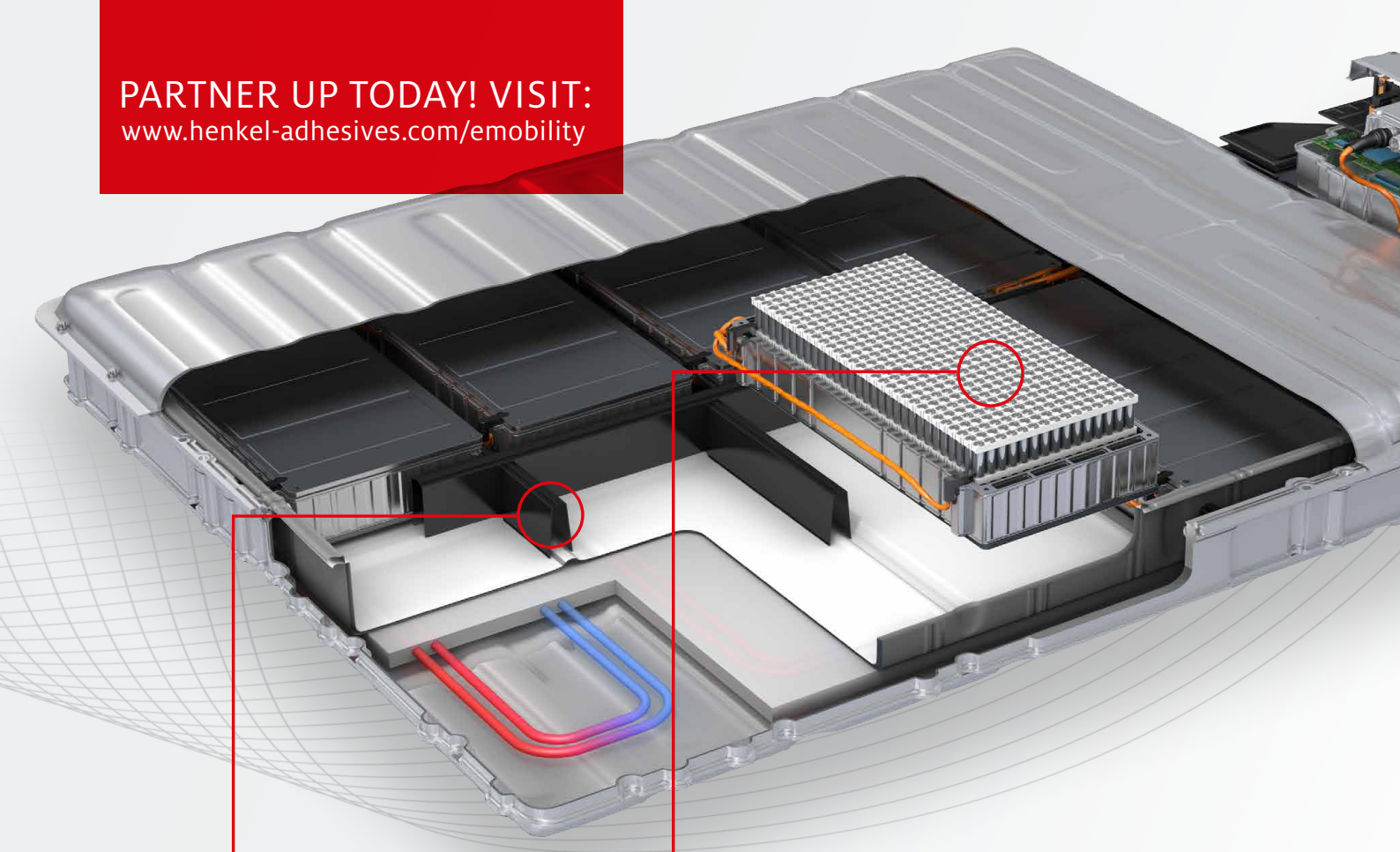


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[www.henkel-adhesives.com/emobility](http://www.henkel-adhesives.com/emobility)



**Structural Adhesives**

*Module Structure to Battery Housing*

**Battery Assembly Adhesives**

*Cell-to-Cell or Cell-to-Carrier*

# Henkel Adhesive Solutions for EV Battery Systems

Our broad solution portfolio has been specifically designed with a focus on:



**System Cost**

- » Short cycle times
- » Automated production process



**Safety & Reliability**

- » Thermal management
- » Flame retardancy
- UL94 compliance



**Lifetime Performance**

- » Fast charging and discharging
- » Serviceability



**Vehicle Integration**

- » Crash resistance
- » Lightweighting

**Driving e-Mobility, together.**



# Henkel Adhesive Solutions for EV Battery Systems

Product	Chemistry	Curing / Initial Strength	Bond Strength / Shear Strength (psi)	Key properties
TEROSON MS 9399 <sup>1</sup>	Silane-modified polymer	RTV after mixing / 10 min @ 60 °C Handling time: 2 hrs @ RT	290	<ul style="list-style-type: none"> <li>» Non-silicone</li> <li>» NCO-free</li> <li>» Solvent-free</li> <li>» Good adhesion to multiple substrates</li> <li>» High elasticity</li> </ul>
LOCTITE AA 3963 <sup>1</sup>	Acrylic	UV / Visible light / ≤ 10 sec	3,336	<ul style="list-style-type: none"> <li>» Quick cure</li> <li>» High strength</li> <li>» Flexible open time</li> </ul>
TEROSON EP 5065 <sup>1</sup>	Epoxy	RTV / 15 min @ 80 °C Handling time: 8 hrs @ 23 °C	3,625	<ul style="list-style-type: none"> <li>» Adhesion to multiple substrates</li> <li>» Crash resistance</li> </ul>
TECHNOMELT PS 1573E <sup>1</sup>	Synthetic-Rubber	RTV / fast cure, sec to min	52	<ul style="list-style-type: none"> <li>» Pressure-sensitive adhesive</li> </ul>
LOCTITE AA 3525	Acrylic	UV / Visible light / < 30 sec	1,420	<ul style="list-style-type: none"> <li>» Quick cure</li> <li>» Easy to handle</li> <li>» Flexible open time</li> </ul>
LOCTITE AA H8000 <sup>2</sup>	Acrylic	RTV / 30 min	3,140	<ul style="list-style-type: none"> <li>» Flexible open time</li> <li>» Good adhesion to multiple substrates</li> </ul>
TEROSON PU 6700ME/6800 <sup>1</sup>	Polyurethane	RTV / 120 min	1,450	<ul style="list-style-type: none"> <li>» Improves system overall stiffness (e-modulus &gt; 500MPa)</li> <li>» Compatible with spot welding</li> <li>» Micro-Emission PU (label free)</li> </ul>
LOCTITE UK 2015 <sup>3</sup>	Polyurethane	RTV after mixing / 10 min @ 20 °C	2,900	<ul style="list-style-type: none"> <li>» Provides incremental stiffness</li> <li>» Excellent adhesion to non-metallic surfaces</li> </ul>

No Number: Available globally | 1: Available only in APAC, EU | 2: Available only in NA, APAC | 3: Available only in EU

**GET IN TOUCH WITH US**

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