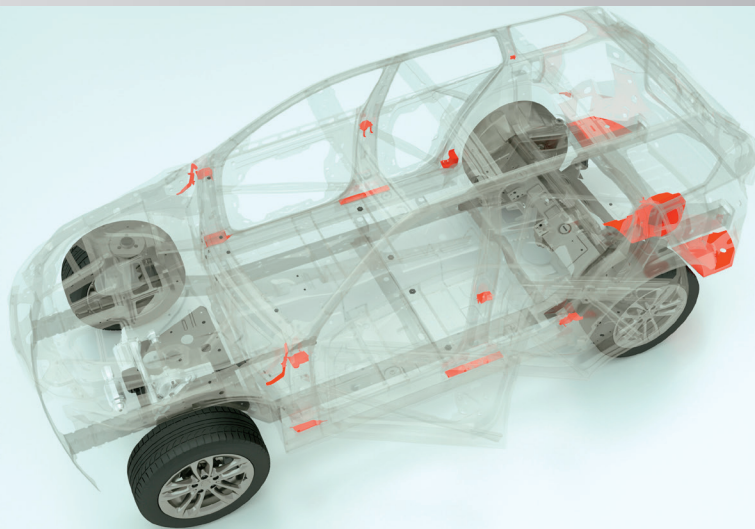
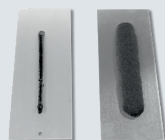




## Acoustic Baffle Solutions for Next Generation Vehicles

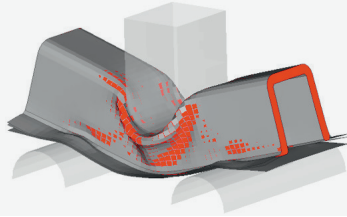
Acoustic Baffle Solutions play a pivotal role in delivering a comfortable driving experience and ensuring high vehicle performance by preventing sound, air, water & dust from entering the vehicle.

Henkel's range of baffle materials meet the varied production and performance needs of our OEM customers and include:

| Co-injected Hybrid on PA Carrier                                                                                                             | Injection Molded No Carrier                                                         | Extruded                                                                             | Pumpable                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                           |  |  |  |
| Application                                                                                                                                  |                                                                                     |                                                                                      |                                                                                       |
| Manual attachment application                                                                                                                |                                                                                     |                                                                                      | Automated application with standard pump systems                                      |
| Application Areas                                                                                                                            |                                                                                     |                                                                                      |                                                                                       |
| A-/B-/C-/D-pillar cavities – Cowl and dash panel - Sill section - Center tunnel - Planum joinery– Quarter inner/outer panels – Rocker panels |                                                                                     |                                                                                      |                                                                                       |
| Expansion                                                                                                                                    |                                                                                     |                                                                                      |                                                                                       |
| High expanding up to 2,000% for material savings                                                                                             | Varying expansion rates                                                             |                                                                                      | Expansion rate >500%                                                                  |
| Benefits                                                                                                                                     |                                                                                     |                                                                                      |                                                                                       |
| Densification and re-sealing options available for high confinement applications                                                             | One shot production                                                                 | Tacky or ‘dry to touch’                                                              | Fill complex configurations                                                           |
| Tailored designs with full coverage                                                                                                          |                                                                                     | Low cost tooling                                                                     | Complexity reduction in logistics, assembly & design (no tooling required)            |
| Low density for weight savings                                                                                                               |                                                                                     |                                                                                      |                                                                                       |
| Outstanding adhesion to oily metal substrates                                                                                                |                                                                                     |                                                                                      |                                                                                       |

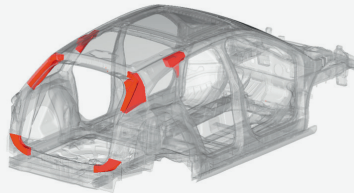
## Your Solutions Partner

### TECHNOLOGY COMPETENCE



- Technology leadership
- Control of foam structure
- Degree of expansion
- Low Temperature

### DESIGN COMPETENCE



- CAD & CAE capabilities
- Optimization of weight & functionality
- Complex cavity sealing

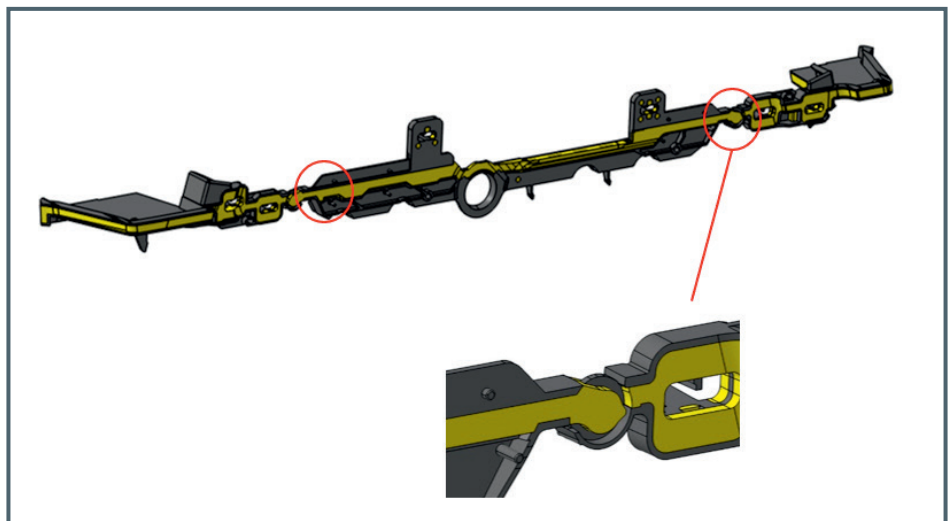
### GLOBAL REACH



- Local design teams working as apart of global group
- "Center of Expertise" best practice sharing
- Design capabilities in all regions

New Acoustic Baffle Solution concepts seek to enable greater efficiency for improved competitiveness and include:

- Family mold concepts with combination of up to 8 different parts with different sizes
- Hinged baffles to reduce parts; molded in flat position to decrease process, tool and logistics costs
- Automated welding tab to reduce manual work and part cost



## GET IN TOUCH WITH US

For more information on our Sealing & Coating capabilities as well as other services along the automotive value chain, visit:

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

Or contact us directly at:

**[aaoglobalmarketing@henkel.com](mailto:aaoglobalmarketing@henkel.com)**

**Henkel**