



Safety

High Strength Bonding of A-Pillar

OEM/Vehicle

Volkswagen AG

2019 Audi A7

System Supplier

Sika Automotive AG

Material Processor

Sika Automotive AG

Material Supplier

Sika Automotive AG

Resin

Sikamid PA66-GF35 PA66



An innovative bonding solution (new body structural adhesive) provides this A-Pillar with higher strength and lower weight by enabling boron steel to be reinforced with a plastic bonded component. The system is optimized to meet safety standards for side crash, pole crash and frontal offset crash testing - but with lower weight (20% weight savings) and less cost (5% – 10%) when compared to traditional metal reinforcement solutions. An additional indirect cost savings is achieved due to avoiding welding processing and cost of thicker metal sections.