



Paint Shop Sealants & Coatings

Developed for application on e-coated substrates, Henkel's paint shop sealants & coatings ensure airtight and watertight sealing to all seam joints, enhancing corrosion protection, reducing noise and providing surface finish protection.

PAINT SHOP SEALERS

Seam sealer applications are paintable, improving the appearance of the joint, and use PVC-based chemistries. They are applied via pumpable dispense equipment on:

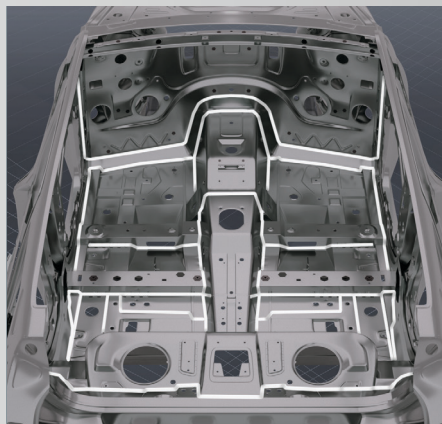
- Closures
- Panel overlaps
- Roof ditch

Extrudable paint shop sealant can be customized in shapes & designs according to the customer needs and with a variety of materials with different flow rates. A magnetic option enables vertical or angled application for increased manufacturing flexibility.

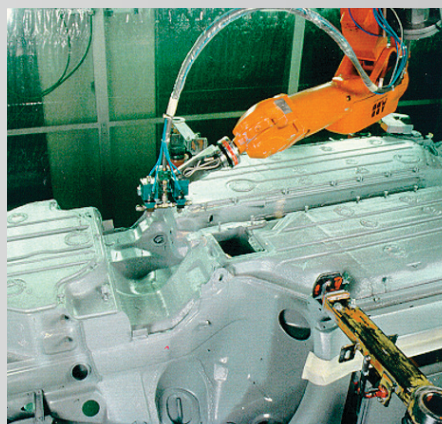
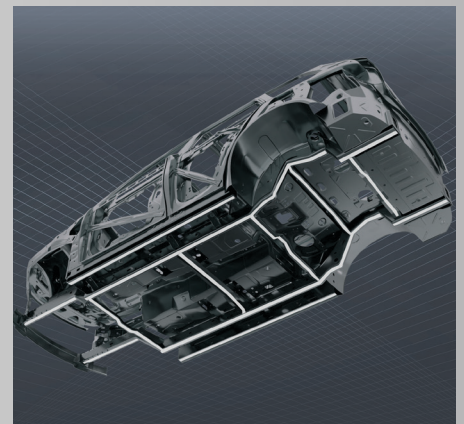
COATING APPLICATIONS

Coating applications can be applied via spray or flat-stream and use PVC-based chemistries. Vehicle application areas include:

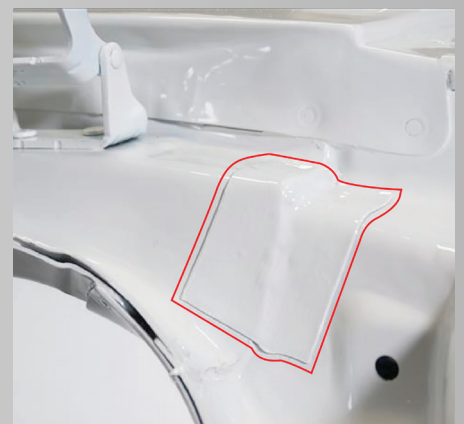
- Underbody
- Wheel arch
- Rocker panel



Paint shop sealer applied to interior and exterior of vehicle.



Application of underbody coating



Paint Shop sealant tape on vehicle panel



RIGOROUS TESTING

Rigorous testing is completed to meet stringent specifications, from application of the product in production to high mechanical and durability characteristics for strong performance on the road. Key testing includes:

Paint Shop Sealants

- Viscosity – performance of product on the line
- Shear – shearing force between panel to panel
- Tensile Strength & Elongation – tension, toughness, flexibility
- Hardness – Flexibility/rigidity
- Sealability – Water tightness

Paint Shop Coatings

- Viscosity – performance of product on the line
- Hardness – Flexibility/rigidity
- Weather – Performance against UV exposure
- Corrosion - Rusting
- Chipping/impact – Resist chipping and protect from corrosion
- Sealability – Water tightness



ENVIRONMENTAL ADVANCEMENTS

Low Density PVC Sealers

Low-density PVC sealers reduce weight by almost 30 percent compared to conventional sealants, resulting in weight savings of approximately 4 kilograms per vehicle.

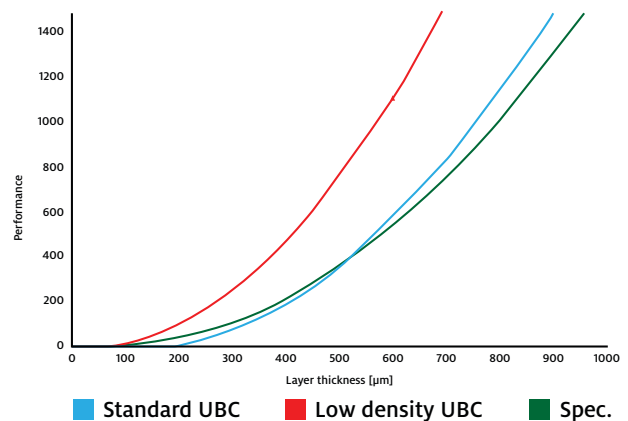
When reviewed in terms of product application by liter, a CO2 footprint reduction of as much as 13 percent can be achieved.

Additional savings can be achieved when PVC sealers are formulated to remain ungelled until the final paint oven. Through this approach, one to two ovens can be eliminated from traditional processing, reducing carbon footprint by as much as 30 percent.

Paint Shop Coatings

Thin layered underbody coatings help reduce material consumption, while meeting performance requirements at the lower thickness.

A reduced density version – available at 1.2 g/cm³ - can achieve vehicle weight savings while delivering high abrasion resistance. This optimized version is available with no robot programming changes required.



High performance underbody coating with reduced density and VOC

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

Or contact us directly at:

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