



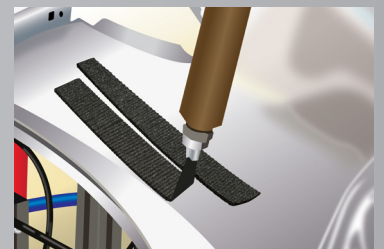
TEROSON[®] RB 5185 **PUMPABLE PANEL REINFORCEMENT**

Offers Fast, Automated Application, Lowers Costs and Enhances Sustainability

TEROSON[®] RB 5185 is a sprayable, rubber-based reinforcement solution that can be applied to downgauged vehicle panels that require localized stiffening enhancement. It can be added after production begins or planned as a design-in solution during the new-car development stage.

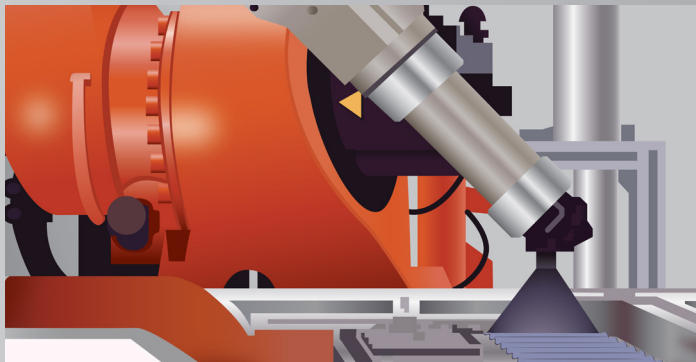
By allowing extensive panel downgauging and targeting areas prone to oil canning, TEROSON RB 5185 assists OEMs in achieving vehicle lightweighting goals with no customer touch point compromises. It can be applied to a variety of areas where corrosion resistance, panel deformation and the curing window are key considerations.

Especially well-suited for application to irregularly shaped areas, its automated sprayable format is readily implemented and offers a significant cost reduction in comparison to manually positioned stiffening patches. It also eliminates the need to design and die-cut unique patch shapes for different vehicle models. And with no patch packaging or release paper waste, TEROSON RB 5185 contributes to OEM sustainability aspirations with the added benefit of reducing CO₂ by 50% in comparison to the previous solution.



Henkel

TEROSON RB 5185 pumpable panel reinforcement offers versatile automated application using swirl and flat stream methods as well as the fast, precise and highly efficient jet stream spray. After application, it heat-cures across a broad temperature range starting at 150°C without panel deformation. Cured performance is impressive – its resilience is unique to panel reinforcement products. In testing, it allowed the treated panel to bend 4mm and bend again with no performance degradation or read-through.



KEY BENEFITS

- Applies to panels quickly, precisely and efficiently
- Saves costs by eliminating manual patch placement and vehicle-specific patch design requirements
- Ends patch warehousing requirements, internal logistics and blocked workspace on the assembly line
- Reduces waste destined for landfills by doing away with patch packaging and release paper
- Reduces CO₂ emissions by approximately 50% compared to the previous solution
- Supports OEM lightweighting goals

FUNCTION CHARACTERISTICS	Sprayable panel reinforcement
CHEMISTRY BASIS	Rubber
EXPANSION RATE	35% – 100%
CURE SCHEDULE	140°C – 200°C 10 – 30 min.
DENSITY [g/cm³]	0.77 – 0.93
SPECIAL CHARACTERISTICS	Jet stream, flat stream, swirl

GET IN TOUCH WITH US

For more information on our panel reinforcements as well as our other services along the automotive value chain, visit:
www.henkel-adhesives.com

Or contact us directly at:
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