



COATINGS

OS 200-S – Splinter-Proof Shield

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SPLINTER PROTECTION FOR COMPOSITES

OS 200-S is the surface protection system, which safely shields your crushed carbon parts in case of damage with rough breaklines and exposed fibres.

Whether in the vehicle interior to protect your occupants or in the car body shell for passive pedestrian protection, OS 200-S gives the extra in safety!

PROPERTIES

- UV- and light resistant
- High transparency
- High elasticity and strength
- Self-healing
- Breathable
- Weather-proof
- Long lifetime
- High wear-resistance
- Resistant against solvents, alcohol, petrol, diesel, oil, and cleaning agents
- Water vapour permeability
- Blue-translucent color



TECHNICAL DATASHEET

OS 200-S

OS 200-S is a transparent, highlyexpandable Coating-System. In a multi-level process the self-healing surface film will be joint inseparable with the composite outer skin. The optical appearance is stable, the wearout of the resin system is stopped and the fibre structure protected.

VERSIONS:

- Transparent
- Pigmented opaque
- Bright finish
- Matt finish
- Dirt-repellent
- Flame-retardant

Technical Data

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|---|--|
| Elongation of brake (DIN 53455-7-3) | > 300% |
| Tensile strength (DIN 53455-7-3) | 41 MPa |
| Tear propagation strength (DIN 53515) | 51 MPa |
| Viscosity at 20°C | ca. 1800 mPas |
| Density: - Blue-translucent - Pigmented opaque | 1,05 gr./cm ³ 1,35 gr./cm ³ |
| Resistance against frost | down to -40°C |
| Resistance against heat | up to +90°C |
| Cure time at 20°C | 3 days curing time / 7 days fully-hardened |
| Thickness of film | 400µm +/-100µm |

Tested and optimized
based on the Cross-Cut
Test DIN ISO 2409:2007