SYSTEM INFORMATION

Glasurit® Carbon Fiber (transparent version)

Process description

Carbon fiber materials consist of carbon fiber fabrics, which are embedded in resins. Such materials are characterized by their high degree for stability at a low density. This is the reason why they are used for expensive sports cars or in aeroplane construction. Sometimes you can find these materials on particular add-on parts of sports motorcycles in serial production. If carbon fiber fabrics are used for the production of car bodies, they are embedded in clear or yellow-colored resins. Single parts of a car body or even complete car bodies of sports cars are produced with this material. We point out that carbon fiber fabrics can be embedded in very different kinds of resin. Add-on parts for the interior and also the exterior (mirror covers and door handle recesses) in "carbon look" are often offered on the automobile accessories market. Such effects can be achieved with carbon fiber materials where the carbon fiber fabric is still visible through the brown or black colored, transparent, mat resin layer. This effect is especially well emphasized by the following paint system.

Pre-treatment	 541-30 1x	 wipe dry	 Red sanding pad, soaked with 541-30	 700-10 1x	 wipe dry	
Clearcoat	Glasurit® 923-135 HS Racing Clear VOC	Glasurit® 929-31,-33 Hardener	Glasurit® 523-15 Racing Additive	 2 : 1 + 10%	 HVLP 1.3 mm 2.0-3.0 bar	 2 40 – 60 µm	 60 min. at 60°C

Note: After first application of the clearcoat, visible surface defects (such as pinholes) can be filled manually with a brush. After intermediate sanding with an orbital sander (P400 – P600) or after manual sanding (P800 – P1000), this step can be repeated until the desired result has been achieved.

High-end finishing (if required)

Pre-treatment	 541-30 1x	 P1200	 541-30 1x	 wipe dry		
Clearcoat	Glasurit® 923-335 HS Multi Clear VOC	Glasurit® 929-31,-33 Hardener	Glasurit® 352-91, -216 Reducer	 2 : 1 + 10%	 HVLP 1.3 mm 2.0-3.0 bar	 2 40 – 60 µm	 30 min. at 60°C

You may use any Glasurit® VOC clear instead of Glasurit® 923-335 HS Multi Clear.
The final result of this application process depends on the quality of the carbon fiber material.

Safety advice:

- The products are suitable for professional use only.
- It cannot be ruled out that these products contain particles < 0.1 µm.
  For the use of these products please adhere to the actual safety recommendations and the personal protective equipment.

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