

CCLEAR CARBON CLEARCOAT

CCLEAR Carbon Clear Coat for carbon parts dries rapidly with a high initial hardening rate, excellent rheology and levelling. Once cured, this special ultra-high solid 2K clear coat has outstanding gloss, hardness and durability – with high resistance to chemicals and weathering. It is easy to polish and has strong UV protection. CCLEAR conforms to VOC directives* and has a well-balanced pot life enabling safe application.

*2004/42/EC (VOC)

USAGE AND HANDLING

Suitable for use on all carbon - from small parts to complete vehicles. CCLEAR can be used on solvent- and waterborne base coats. Use of the full system is recommended as adhesion and drying issues cannot be eliminated when used in conjunction with the thinners and hardeners of external systems. Reworks should be carried out within two hours. If the substrate has been treated with a sealant primer, it is advisable to test adhesion before application.

CHARACTERISTICS:

CCLEAR Clearcoat:

- Specific gravity 1.00-1.01 g/cm³
- Colour: light yellow

CCLEARC Hardener:

- Specific gravity 1.00-1.01 g/cm³
- Colour: clear or light yellow

MIXING RATIO:

By volume: 2 parts Clearcoat + 1 part Hardener

By weight: 100 g Clearcoat+ 50 g Hardener

Mix thoroughly.

Viscosity of the mixture:

- 16-18 seconds (DIN 4 mm a 20°C)
- 17-19 seconds (Ford 4 mm a 20°C)
- 34-39 seconds (ISO 4 mm a 20°C)

POT-LIFE: At 20°C: 50 minutes

APPLICATION:

Apply with a gravity-feed spray gun with a nozzle diameter of 1.3 mm, operating pressure as recommended by the spray gun manufacturer.

Recommended process conditions: temperature 18°C to 22°C, relative air humidity 40 - 60%

Apply half thin closed coat and one full wet coat, with a 5-7-minute flash-off break between the coats.

Dry film thickness: 50-60 microns.

Keep the flash-off time of 10 minutes before drying in an oven.

DRYING TIMES:

Dry to touch: in air at 20°C, 1-1.5 hours
in oven at 60°C, 10 minutes

Dry to polish: in air at 20°C, 3.5-4 hours
in oven at 60°C, 15 minutes

Full hardness: in air at 20°C, 4 days
in oven at 60°C, 15 minutes + 3 days at 20°C

N.B: Prior to polishing the clear coat dried at 60°C, wait up to 1 h for cooling down.

IR drying: 8 - 15 min. Follow the recommendations of the IR lamp manufacturer.

Theoretical efficiency: 10/12 m²/L.

The effectiveness of our products is based on practical experiences and research work carried out in our laboratories; nevertheless we accept no liability for work carried out following our instructions being clear that the final result depends in all cases on a series of unforeseeable factors.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.