



Art.-No.: 6.4450.1000

4450

1K UV Filler

Characteristics

4CR 1K UV-Filler 4450 is a high-quality UV-Filler for fast applications, can be sanded after 5 minutes of irradiation by means of a UV LED lamp or direct sunlight. 1K UV filler is suitable for partial car painting or spot repairs. Economical application because heating costs and additives such as hardener or dilution are eliminated.

Very good adhesion to steel, iron, aluminum and galvanized substrates. Ready to use, dry film thickness 100-120 µm.

Effective and time-saving due to fast drying, more work processes are possible. 1K UV-Filler is ready to spray, so it can be used immediately and produces no paint waste due to pot-time curing.

Plastic substrates are protected against deformation and overheating because no heat drying is needed.

There is no need for a cooling phase before sanding, a hard and easily sandable surface is given immediately after drying.

4CR 1K UV-Filler 4450 is particularly suitable for partial car painting and spot repair applications.

Fertility: 7 - 8 m² / l (at 80 µm TSD)



V.O.C. Value

This product contains max. 190 g/l

Tech Tip

4CR 1K UV-Filler 4450 can lead to a product-specific compounds separation in the can during standing time, which can be eliminated by thorough stirring.

DRYING:

UV LED lamp approx. 5 min

Hg lamp (mercury vapor lamp) approx. 5 min

Direct sunlight approx. 4 - 5 min

The drying time must also take into account the time required to reach full light output.

For Hg lamps (mercury vapor lamps), the lead time is about 3 minutes or follows manufacturer's instructions.

The distance to the object should be between 20 - 30 cm. If the area of the filler to be dried is too large to cover it at once with the exposure field of the UV LED lamp, the lamp must be overlapped accordingly.

Care must be taken to ensure that the exposure time for all partial surfaces is sufficiently long to ensure homogeneous through - drying of the particles to ensure total area.



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Application

APPLICATION PROCESS :

Gravity cup: pressure (bar) 1.7 - 2.0 // nozzle (mm) 1.0 - 1.2 // spray passes 2 - 3

HVLP: pressure (bar) 1.7 - 2.0 // nozzle (mm) 1.0 - 1.2 // spray passes 2 - 3

FLASH-OFF TIME :

processable without intermediate flash times,
final flash-off time 3-5 min. before UV-curing

PROCESSING CONDITIONS :

From +15 ° C up to 80% relative humidity. Ensure adequate supply and exhaust air.

Surface preparation

The surface must be clean, dry and free of grease. Sand and degrease surfaces with 4CR silicone remover. Remove unsustainable old paint or primers. Aluminum and galvanized surfaces grind with P 220, steel with P 120. After sanding again, thoroughly clean with 4CR Silicone Remover.

Notes regarding filler sandability

Sandable with sandpaper P400 dry for 1-coat topcoats, for 2-coat topcoats the use of sandpaper P500 / P600

Technical Data

Colour	Grey
Mix Ratio	-
Hardener	-
Pot Life	none, if stored in a lightproof area
Spray Viscosity	Gravity Cup 16 - 18 s 4mm DIN
Abluftzeit	Can be processed without flash-off time - Final flash-off time 5 minutes before UV-curing
Trockenschichtdicke	100 -120 µm (higher coat thickness leads to adhesion or curing problems)

Storage and Transportation

in closed original container for at least 1 year at room temperature storage (20 ° C)