



Art.-No.: 6.4450.1000

4450

1K UV Filler

Characteristics

4450 1K-UV-Filler is a high-quality, UV-drying filler for quick and efficient refinishing. After only 5 minutes irradiation by means of a UV LED lamp it can be sanded. This is also possible after 4 - 5 minutes of direct sunlight exposure.

By skipping the heating intervals, with 1K UV filler it is possible to increase by a lot the productivity of the work processes.

1K UV filler is ready to spray, so it can be used immediately and produces no paint waste due to pot-life related curing.

Due to the elimination of thermic heating, especially plastic substrates are protected against deformation or overheating. A cooling phase before sanding is eliminated and a hard and excellent sandable surface is given directly after drying.

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

Very good adhesion to steel, iron, aluminum and galvanized surfaces.

Spreading rate: 7 - 8 m²/l (for 80 µm DFT)

V.O.C. Value

This product contains max. 190 g/l

Tech Tip

4CR 4450 1K UV filler 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.





Art.-No.: 6.4450.1000

4450

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

HVLP / internal nozzle: pressure (bar) 0.7

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

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 sanding paper P 400 dry with 1-coat topcoats, with 2-coat topcoats the use of sandpaper P 500/600 dry is recommended.

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)