

TECHNICAL DATA SHEET

CL4500

2K VOC PERFORMANCE FILLER



DESCRIPTION

CL4500 2K VOC Performance Filler is part of the Challenger repair system. This robust VOC compliant, high solids universal filler in grey has a wide application window and delivers excellent vertical stability as well as outstanding filling power and adhesion. It provides great topcoat holdout of Challenger topcoats.



FEATURES

- Simple to apply.
- Excellent vertical stability.
- Easy to sand.
- Very good adhesion.
- VOC compliant.

PRODUCT LIST

- CL4500 2K VOC Performance Filler
- CL6400 VOC Hardener Fast
- CL6500 VOC Hardener
- CL705 Reducer Fast
- CL710 Reducer Medium

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Product preparation - application STANDARD



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Wash Primer or epoxy primer
 Old or original paintwork well sanded and cleaned.
 OEM Primer (e-coat), sanded and cleaned.
 Surfaces pretreated with 2K polyester products and then finely sanded.
 Glass fibre reinforced polyester substrates, free of release agents sanded.



	Spot & panel repair		Standard	
	Volume	Weight	Volume	Weight
CL4500	4	100	4	100
CL6400	1	16	-	-
CL6500	-	-	1	16
CL705 / CL710	0 - 5 %	0 - 4	0 - 5 %	0 - 4



Pot life at 20°C: 2 hr



	Spray nozzle	Spray pressure	
Compliant	1.4 - 1.7	1.8 - 2.2 bar	inlet pressure
HVLP	1.4 - 1.7	0.7 bar	atomisation pressure

see manufacturer's instructions



1 - 3 coats with intermediate and final flash-off until flat



	CL6400	CL6500
20 °C	3 hr	3 hr - 4 hr
60 - 65 °C	25 min	25 min - 30 min



Guideline for short wave IR equipment
 Half power: 5 min
 Full power: 15 min



P360 - P500
 P800 - P1000



2K Topcoat
 Challenger Basecoat + Challenger Clearcoat
 Challenger Waterborne Basecoat + suitable Challenger VOC Clearcoat

VOC compliant

2004/42/IIB(c)(540) 540: The EU limit value for this product (product category: IIB(c)) in ready to use form is maximum 540 g/l of VOC. The VOC content of this product in ready to use form is maximum 540 g/l.

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Products

CL4500 2K VOC Performance Filler

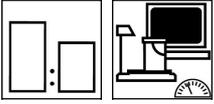
CL6400 VOC Hardener Fast

CL6500 VOC Hardener

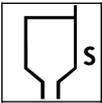
CL705 Reducer Fast

CL710 Reducer Medium

Product mix



Mixing ratios with special agents are available in the productmix table on Colour Channel and in the specific TDS.



DIN 4: 20 - 25 s at 20°C



80 - 100 µm per coat

Theoretical coverage

380 - 460 m²/l at 1 micron dry film thickness

Due to different hardener characteristics and different mixing ratios of the ready-to-use mixture in some TDS versions, the theoretical coverage calculation may vary.

Note: The practical material consumption depends on several factors, e.g. geometry of the object, surface formation, application method, spray gun setting, inlet pressure, etc.



Clean after use with a suitable solventbased guncleaner.

Remarks

- Material has to be at room temperature (18-25°C) before use.
- Mix thoroughly and put can on mixing machine.
- Allow additional time for preheating up to panel temperature.
- When isolating certain spots - even on problem substrates - the best results are achieved with a medium film thickness of 80-120µm in 2 coats, after either air drying overnight or force drying/IR drying. With problem substrates, careful pretreatment is necessary and the Filler must be applied to the entire area.
- For dry film thicknesses of more than 150 micron air dry overnight at 20°C or 40 minutes at 60-65°C.
- Surplus ready for use material should not be returned to original can.
- If applied over thermoplastic acrylic finishes, complete panel or overall car has to be treated. Spot repairing or sand throughs of the primer can result in spot marking or lifting when applying basecoat.

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Consult Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.

All other products referred to in the refinish build up are from our Challenger product range. System properties will not be valid when the related material is used in combination with any other materials or additives which are not part of our Challenger product range, unless explicitly indicated otherwise.

For professional use only! The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check the information with regard to up-to-dateness and suitability for his intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved. The relevant Material Safety Data Sheet and Warnings displayed on the product label need to be observed. We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.