

TECHNICAL DATA SHEET

CL490

2K HS FAST DRY SURFACER



DESCRIPTION

CL490 2K HS Fast Dry Surfacers is part of the Challenger repair system. This robust, high solids universal filler has very wide application windows and deliver excellent vertical stability as well as outstanding filling power and adhesion.

FEATURES

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

PRODUCT LIST

CL490 2K HS Fast Dry Surfacers
CL640 Hardener Fast
CL650 Hardener Med
CL680 Hardener Slow
CL705 Reducer Fast
CL710 Reducer Medium
CL715 Reducer Slow

TECHNICAL DATA SHEET

CL490

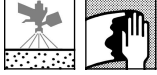
2K HS FAST DRY SURFACER



Product preparation - application STANDARD SANDING



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 and cleaned
 Glass fibre reinforced polyester substrates, free of release agents, sanded and cleaned



	Spot & Panel repair		Standard		Large surface	
	Weight	Volume	Weight	Volume	Weight	Volume
CL490	4	100	4	100	4	100
CL640	1	16	-	-	-	-
CL650	-	-	1	16	-	-
CL680	-	-	-	-	1	16
CL705	0 - 10%	0 - 7	-	-	-	-
CL705 / CL710	-	-	0 - 10%	0 - 7	-	-
CL710 / CL715	-	-	-	-	0 - 10%	0 - 7

For Coverage Enhancer mixing ratio, see mixing table in Remarks.



Activated: 1 hr - 1 hr 15 min



	Spray nozzle	Spray pressure	
Compliant	1.6 - 1.8 mm	1.5 - 2 bar	inlet pressure
HVLP	1.7 - 1.9 mm	0.7 bar	atomisation pressure

see manufacturer's instructions



1 - 3 coats

intermediate and final flash-off: 5 min - 15 min



	CL650	CL640	CL680
20 °C	4 hr	3 hr	6 hr
40 °C	40 min	30 min	1 hr
60 °C	30 min	20 min	40 min



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



P400 - P600



2K Topcoat
 Basecoat + 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.

TECHNICAL DATA SHEET

CL490

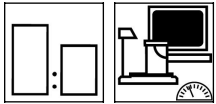
2K HS FAST DRY SURFACER



Products

- CL490 2K HS Fast Dry Surfacers
- CL640 Hardener Fast
- CL650 HS Hardener Medium
- CL680 Hardener Slow
- CL705 Reducer Fast
- CL710 Reducer Medium
- CL715 Reducer Slow

Product mix



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



60 - 80 µm per coat



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 surfacer 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.

TECHNICAL DATA SHEET

CL490

2K HS FAST DRY SURFACER



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 brand 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 brand 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.