

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
- High Package Viscosity

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

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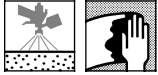
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Product preparation - application STANDARD SANDING



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 | |
|----------------------|---------------------|--------|----------|--------|---------------|--------|
| | Volume | Weight | Volume | Weight | Volume | Weight |
| CL490 | 4 | 100 | 4 | 100 | 4 | 100 |
| CL640 | 1 | 15 | - | - | - | - |
| CL650 | - | - | 1 | 15 | - | - |
| CL680 | - | - | - | - | 1 | 16 |
| CL705 | 10 | 8% | - | - | - | - |
| CL705 / CL710 | - | - | 10 | 8% | - | - |
| CL710 / CL715 | - | - | - | - | 10 | 8% |

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



Activated: 1 hr - 1 hr 30 min



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

see manufacturer's instructions



1 - 2 coats

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



| | CL650 | CL640 | CL680 |
|--------------|-----------|--------|-----------|
| 20 °C | 1-1.5 hr | 45 min | 1.5-2 hr |
| 40 °C | 30-40 min | 20 min | 30-40 min |
| 60 °C | 15 min | 10 min | 20 min |



Guideline for short wave IR equipment
 Half power: 5 min
 Full power: 5-10 min



P400 - P600



2K Topcoat
 Basecoat + Clearcoat

VOC compliant

The VOC content of this product in ready to use form is maximum 586 g/l.

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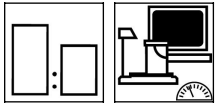
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Product mix



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



80 - 200 µm



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.

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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 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.

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