

TECHNICAL DATA SHEET

CL250

2K HS STANDARD CLEAR



DESCRIPTION

CL250 2K HS Standard Clear is part of the Challenger repair system and is suitable for use in a clear-over-base system. This high solids universal clear has very good flow in application and delivers a good, long-lasting high-gloss finish. It can be air dried, dried on low bake or using IR, which can help improve a bodyshop's efficiency.



FEATURES

- Very good flow
- Superb polishability
- Excellent mar, chemical and weather resistance
- Suitable for spot, panel and overall repairs

PRODUCT LIST

- CL250 2K HS Standard Clear
- CL640 Hardener Fast
- CL650 HS Hardener Medium
- CL680 Hardener Slow

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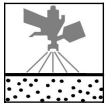
2K HS STANDARD CLEAR



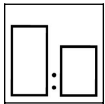
Product preparation - application STANDARD



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



Challenger Basecoat: Surfaces must be dried / flashed-off in accordance with TDS before application
Existing finishes: Surfaces must be sanded and degreased before application



	Spot & panel repair		Standard		Large surface	
	Volume	Weight	Volume	Weight	Volume	Weight
CL250	2	100	2	100	2	100
CL640	1	51	-	-	-	-
CL650	-	-	1	49	-	-
CL680	-	-	-	-	1	50

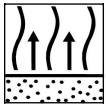


Pot life at 20°C: 3 hr 30 min



	Spray nozzle	Spray pressure	
Compliant	1.3 - 1.4 mm	1.8 - 2.2 bar	inlet pressure
HVLP	1.3 - 1.4 mm	0.7 bar	atomisation pressure

see manufacturer's instructions



2 coats

intermediate and final flash-off: 5 min - 10 min



	CL640	CL650	CL680
20 °C	4 hr	5 hr	6 hr
60 - 65 °C	20 min	30 min	40 min



Guideline for short wave IR equipment
Half power: 5 min
Full power: 8 - 12 min

VOC compliant

This product mix is not VOC compliant.

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Products

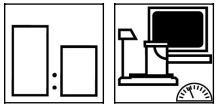
CL250 2K HS Standard Clear

CL640 Hardener Fast

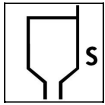
CL650 HS Hardener Medium

CL680 Hardener Slow

Product mix



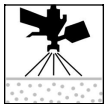
Mixing ratios with special agents are available in the productmix table on Colour Channel and in the specific TDS.



ISO 4: 28 - 37 s at 20°C
DIN 4: 14 - 16 s at 20°C



50 - 60 µm



CL250 2K HS Standard Clear can be recoated within 24 hours, without intermediate sanding



Clean after use with a suitable solventbased guncleaner.

Remarks

- Material has to be at room temperature (18-25°C) before use.
- Allow additional time for preheating up to panel temperature.
- Surplus ready for use material should not be returned to original can.
- Close can of hardener tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.
- If necessary for minor viscosity adjustments, use Challenger basecoat Reducer (maximum 5%).

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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.

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