TECHNICAL DATA SHEET
CL220
2K FAST CLEAR

DESCRIPTION

CL220 2K Fast Clear is part of the Challenger repair system and is suitable for use in a clear-over-base system. It delivers fast air drying times with short flash-off times between coats and bake cycle. It also has fast dust-free times, which helps to prevent defects caused by air contamination.



FEATURES

- Different applications possible thanks to different hardeners.
- High in-can viscosity.
- Available in 1 and 4 liter can size.
- Superb polishability.
- Suitable for spot, panel and overall repairs.

PRODUCT LIST

- CL220 2K Fast Clear
- CL640 Hardener Fast
- CL650 HS Hardener Medium
- CL680 Hardener Slow
- 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.




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
CL220	2	100	2	100	2	100
CL640	1	50	-	-	-	-
CL650	-	-	1	49	-	-
CL680	-	-	-	-	1	50
CL705 / CL710	25 %	34	25 %	34	-	-
CL710	-	-	-	-	25 %	35



Pot life at 20°C: 1 hr 30 min - 3 hr



	Spray nozzle	Spray pressure	
Compliant	1.3 - 1.5	1.8 - 2.2 bar	inlet pressure
HVLP	1.3 - 1.5	0.7 bar	atomisation pressure

see manufacturer's instructions




2 - 3 coats

intermediate and final flash-off: 5 min



	CL640	CL650	CL680
20 °C	3 hr	5 hr	6 hr
60 - 65 °C	15 min	30 min	40 min



Guideline for short wave IR equipment
Half power: 5 min
Full power: 15 - 20 min

VOC compliant

This product mix is not VOC compliant.

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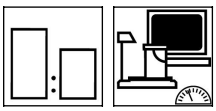
Products

CL220 2K Fast Clear

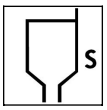
CL640 Hardener Fast
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Product mix



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



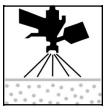
DIN 4: 14 - 15 s at 20°C



55 - 65 µm

Theoretical coverage

295 - 305 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.



CL220 2K Fast Clear can be overcoated with itself 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 clear and hardener tightly immediately after use, as both products will react with humid air and water and lose their hardening effect.
- Not to be used with Challenger Waterborne 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.

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