



CL200

2K CLEAR

Description

2-component clear to be used in clear over base system.
Composition based on acrylic polyurethane copolymer.

Products

CL200	2K Clear
CL640	Hardener Fast
CL650	Hardner Medium
CL680	Hardener Slow

Properties

- Gives very fast air drying and allows short flash times between coats and bake.
- The fast dust-free times prevent surface defects by air contamination.
- Has excellent polishability.
- Increases productivity in air dry, low bake or IR drying.
- Can be used for spot, panel and overall repair.

Substrates

- Suitable solventborne basecoats
- All cleaned and sanded OEM finishes (not recommended on thermoplastic acrylic finishes).

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PRODUCT PREPARATION

	Mixing ratio		Volume		Weight	
		CL200	2	3	100	
		CL650/CL680	1		50	
		CL640		1	50	
	VOC (2004/42/EC)	583 g/l				
	Potlife at 20°C	4 hr				
	Spray viscosity at 20°C	DIN 4	14-16 s			
		FORD 4	14-16 s			
		AFNOR 4	15-18 s			
	Spray equipment		Fluid tip (mm)	Distance (cm)	Pressure (bar)	
		Compliant guns				
		Gravity feed	1.3-1.5	10-15	According to supplier's specifications	
		Suction feed	1.5-1.6	10-15		
		Pressure feed	1.0-1.2	10-15		
		Conventional guns				
		Gravity feed	1.4-1.6	15-20	3-4	
		Suction feed	1.6-1.8	15-20	3-4	
Pressure feed	1.0-1.2	15-20	3-4			
	Number of coats	2				
	Flash time	5 min between coats. 5 min before bake.				
	DFT	55-65 micron				
	Drying		15°C	20°C	30°C	20 min x 60°C
		Dust-free	15 min	13 min	10 min	imm.
		Dry to handle	7 hr	7 hr	6 hr	30 min
		Tape-free	16 hr	14 hr	12 hr	50 min
	IR-drying*	Flash time	5 min			
		Distance	80 cm			
		Half power	5 min			
		Full power	15-20 min			
		* Guideline for short / medium wave IR equipment				

* Guideline for short / medium
wave IR equipment



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RECOMMENDED USE

Clearcoat application

When the Solventborne Basecoat is completely flat, apply CL200 in 2 coats with 5 min flash between coats.

Chemical resistance

When fully cured, CL200 is resistant to short exposures of the chemicals as listed:

sodium hydroxide	20 %	battery acid
sulphuric acid	25 %	toluene
hydrochloric acid	20 %	xylene
phosphoric acid	20 %	glycol
ammonia	10 %	brake fluid, petrol

Equipment cleaning

Use a correct solventborne gunwash.

Recoatability

At any time after tape-free time.

Remarks

- If necessary for minor viscosity adjustments, use basecoat thinners (maximum 5 %).
- Close can of hardener tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.
- Activated material should not be returned to original can of non-activated material.
- Material has to be at room temperature (18-25°C) before use.



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Product data

Package viscosity: 50-60 cp
Theoretical coverage: 6.6-7.1 m²/l at recommended DFT - ready-to-spray

Safety

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

All other products referred to in the paint system build-up are from Challenger®. System properties will not be valid when the related material is used in combination with any other materials or additives not belonging to Challenger®, unless explicitly indicated otherwise.

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