



CHALLENGER[®] 2K TOPCOAT

2K ACRYLIC TOPCOAT

Description

2-component topcoat system for solid colours for use on cars, buses and trucks.
Composition based on acrylic copolymer.

Products

2K...	CHALLENGER [®] 2K Topcoat Tints
CLT...	CHALLENGER [®] Tints
CL680	Hardener Slow
CL650	HS Hardener Medium
CL640	Hardener Fast
CL660	Universal Hardener
CL705	Reducer Fast
CL710	Reducer Medium
CL715	Reducer Extra Slow

Properties

- CHALLENGER[®] 2K Topcoat is a very fast drying 2K acrylic topcoat with superior polishability, perfect gloss retention, high weather and chemical resistance.
- Gives excellent appearance, very good hiding and low consumption.
- Can be used for spot, panel and overall repair.







Substrates

- All OEM finishes and CHALLENGER[®] primer.
- All cleaned and sanded sound old finishes.

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PRODUCT PREPARATION

	CHALLENGER® colour tools	See colour formula on CHALLENGER® colour CD.				
	Mixing ratio		2:1	Slow	Standard	Fast
		CHALLENGER® 2K Topcoat	2	2	2	2
		CL680	-	1	-	-
		CL660	1	-	-	-
		CL650	-	-	1	-
		CL640	-	-	-	1
	CL705/710/715	-	0.3	0.3	0.3	
	VOC (2004/42/EC)	545-590 g/l				
	Potlife at 20°C	4 hr for CL650				
	Spray viscosity at 20°C	DIN 4	17-19 s			
		FORD 4	17-19 s			
		AFNOR 4	19-21 s			
	Spray equipment		Fluid tip	Distance		
		Gravity feed	1.2-1.4 mm	20-25 cm		
		Suction feed	1.4-1.8 mm	20-25 cm		
		HVLP	1.3-1.5 mm	10-15 cm		
	Pressure feed	1.0-1.2 mm	20-25 cm			
	Spray pressure	Gravity feed	3-4 bar			
		Suction feed	3-4 bar			
		HVLP	0.7 bar at nozzle			
		Pressure feed	4-6 bar			
	Number of coats	2				
	Flash time	5-15 min between coats or wet-in-wet 10 min before bake.				
	DFT	40-50 micron				

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PRODUCT PREPARATION (con'd)

	Drying		15°C	20°C	30°C	20 min x 60°C
		Dust-free	18 min	15 min	12 min	imm.
Dry to handle	5 hr	4 hr	2 h 30 min	imm.		
Tape-free	10 hr	8 hr	6 hr	imm.		
	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

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RECOMMENDED USE

Remarks

- Clean surface with water and soap. Rinse and dry.
- Degrease. Wipe dry with a clean cloth.
- Repair according to damage.
- Sand surface:
 - dry mechanical P320 - P400 (finally with P500 will give best results);
 - wet P800 - P1000.
- Remove all traces of sanding dust, blowing oil-free compressed air.
- Degrease. Wipe dry with a clean cloth.
- Tack rag.

Topcoat application

On well prepared surface, apply 2 full coats wet-in-wet or with 5-15 min flash between coats.



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RECOMMENDED USE (con'd)

Chemical resistance

When fully cured, CHALLENGER® 2K Topcoat is resistant to short exposures of the chemicals as listed:

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

Recoatability

At any time after tape-free time.

Remarks

- CHALLENGER® 2K Topcoat tints have to be thoroughly mixed before use.
- Close can of hardener tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.
- Material has to be at room temperature (18-25°C) before use.

Product data

Theoretical coverage: 6-8 m²/l at recommended DFT - ready-to-spray



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RECOMMENDED USE (con'd)

Products	Packages (l)	Shelf life at 20°C (year)	Density (kg/l)
2K10	3.5	2	-
2K14	3.5	2	-
2K...	1	2	-
CLT...	1	2	-
CL680	0.5	2	0.972
CL650	0.25 - 0.5 - 1	2	0.959
CL640	1	2	0.986
CL660	0.5	2	0.949
CL705	1	2	0.874
CL710	1	2	0.901
CL715	1	2	0.903

Safety

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