



CHALLENGER[®] BASECOAT

ACRYLIC LACQUER

Description

A new generation basecoat system for solid, metallic and pearl colours. Suitable for use on cars, trucks and buses.

Composition based on acrylic copolymer.

Products

BC...	CHALLENGER [®] Basecoat Tints
CLT...	CHALLENGER [®] Tints
CL650	HS Hardener Medium
CL705	Reducer Fast
CL710	Reducer Medium
CL715	Reducer Extra Slow

Properties

- CHALLENGER[®] Basecoat combines ease of application and fast drying with the colour and gloss retention of high quality baking enamels.
- Can be used for spot, panel and overall repair of original refinishing as finishes or baking enamels.
- For superior film properties, the use of CL650 is recommended.







Substrates

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

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PRODUCT PREPARATION

	CHALLENGER® colour tools	See colour formula on CHALLENGER® colour CD.		
	Mixing ratio	CHALLENGER® Basecoat	1	0.9
		CL650	-	0.1
		CL705/710/715	0.5-0.8	0.5-0.8
	VOC (2004/42/EC)	720-750 g/l		
	Potlife at 18-22°C	Standard Reinforced	Not applicable 8 hr	
	Spray viscosity at 20°C	DIN 4	15-17 s	
		FORD 4	15-17 s	
		AFNOR 4	16-19 s	
	Spray equipment	Gravity feed	Fluid tip 1.2-1.6 mm	Distance 15-20 cm
		Suction feed	1.4-1.8 mm	15-20 cm
	Spray pressure	Gravity feed	Overall, panel and spot repair 3-4 bar (30-50 PSI)	
		Suction feed	3-4 bar (30-50 PSI)	
	Number of coats	2-3		
	Flash time	Till flat between coats and before clearcoating. Tack rag-free after 20 min.		
	DFT	Metallics	10-20 µ	
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RECOMMENDED USE

Surface preparation

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

Clearcoat application

CHALLENGER[®] clear must be applied when CHALLENGER[®] Basecoat is completely flat.
Maximum time before clearcoating is 3 days.

Remarks

- Excessive coats of colour will slow up drying, avoid heavy coats.
- Material has to be at room temperature (18-25°C) before use.
- For improved stone chip resistance and superior adhesion cohesion, addition of 10 % CL650 before dilution is recommended.



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RECOMMENDED USE (con'd)

Equipment cleaning

Use a correct solventborne gunwash.

Product data

Theoretical coverage: 5-7 m²/l at recommended DFT - ready-to-spray

Products	Packages (l)	Shelf life at 20°C (year)	Density (kg/l)
BC100	3.5	2	-
BC108	1	2	-
BC124	3.5	2	-
BC304	3.5	2	-
BC314	3.5	2	-
BC...	1	2	-
CLT...	1	2	-
CL650	0.25 - 0.5 - 1	2	0.959
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.

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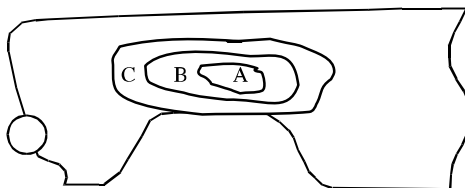
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REPAIR SYSTEMS

Spot and panel repair - surface preparation

1. Repair with recommended undercoats according to damage..
2. Sand treated spots as recommended.
3. Prepare complete fade-out area with fine rubbing compound.
4. Clean carefully afterwards.

Spot and panel repair - system



- Apply 1 coat CHALLENGER[®] Basecoat over the primer spot (A). Flash 5-10 min. Wipe off spray dust with tack rag in zone B-C (if needed).
- Apply 2 to 3 coats. Extend each coat slightly beyond the previous one and always allow each coat to flash (5-10 min) before applying the next coat. Tack wipe after each coat to eliminate spray dust around the colour coat (if needed).