



CL2200

2K VOC PRODUCTIVE CLEAR

Description

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

Products

| | |
|--------|-------------------------|
| CL2200 | 2K VOC Productive Clear |
| CL6500 | HS Hardener |
| CL6400 | HS Hardener Fast |

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.
- Can be used for spot, panel and overall repair.
- VOC compliant, conform with directive 2004/42/EC.

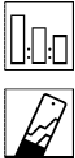






Substrates

- CHALLENGER[®] Basecoat.
- All cleaned and sanded OEM finishes (not recommended on thermoplastic acrylic finishes).

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PRODUCT PREPARATION

| | | | | | | | |
|---|--------------------------------|--|--------------------------------------|----------------------|---|---------------|--|
|  | Mixing ratio | | Fast | | Standard | | |
| | | | Volume | Weight | Volume | Weight | |
| | | CL2200 | 2 | 100 | 2 | 100 | |
| | | CL6500 | - | - | 1 | 50 | |
| | | CL6400 | 1 | 50 | - | - | |
| | VOC (2004/42/EC) | CL6500 CL6400 | 420 g/l | | | | |
| | Pot life at 20°C | CL6500 CL6400 | 1 hr 15 min | | | | |
|  | Spray viscosity at 20°C | DIN 4 FORD 4 AFNOR 4 | 20-22 s 20-22 s 22-24 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 | 60-70 micron | | | | | |
|  | Drying | | CL6400 | | CL6500 | | |
| | | | 20°C | 20 min x 60°C | 20°C | 25 min x 60°C | |
| | | Dust-free Dry to handle Tape-free | 35 min | imm. | 50 min | imm. | |
| | | | 3 hr | imm. | 5 hr 30 min | imm. | |
| | 8 hr | 45 min | O.N. | 1 hr 30 min | | | |
|  | IR drying * | Flash time Distance Half power Full power | 5 min 80 cm 5 min 15-20 min | | * Guideline for short/medium wave IR equipment. | | |

RECOMMENDED USE



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Clearcoat application

When the CHALLENGER[®] Basecoat is completely flat, apply CL2200 in 2 coats with 5 min flash between coats.

Chemical resistance

When fully cured, CL2200 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. After 24 hr, scuff sanding is required.

Remarks

- Close can of activator 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: | 180 cp |
| Theoretical coverage: | 7.9 m ² /l at recommended DFT - ready-to-spray |
| Directive 2004/42/EC: | The EU limit value for this product (product category: IIB(d)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l. |

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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This Technical Data Sheet supersedes all previous issues.