

# TECHNICAL DATA SHEET

## CL210

### 2K AIR DRY CLEAR



#### DESCRIPTION

CL210 2K Air Dry Clear is part of the Challenger repair system. The product is characterized by fast drying and is useful for smaller cosmetic type repairs. It is also quick to apply, with no flash-off time between coats and the rapid dust-free times help to prevent defects caused by air contamination.



#### FEATURES

- 2 full coats at a reduced inlet pressure.
- No reducer required.
- Ready to polish in under an hour.
- Excellent and fast air dry performance.

#### PRODUCT LIST

- CL210 2K Air Dry Clear
- CL6500 VOC Hardener

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## CL210

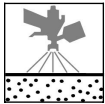
### 2K AIR DRY CLEAR



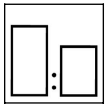
#### Product preparation - application STANDARD



It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.



Challenger Basecoat / Challenger Waterborne Basecoat: Surfaces must be dried / flashed-off in accordance with TDS before application  
Existing finishes: Surfaces must be sanded and degreased before application



Standard		
	Volume	Weight
<b>CL210</b>	2	100
<b>CL6500</b>	1	56

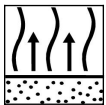


Pot life at 20°C: 1 hr 20 min



	Spray nozzle	Spray pressure	
<b>Compliant</b>	1.3 - 1.4	1.5 - 1.8 bar	inlet pressure
<b>HVLP</b>	1.3 - 1.4	0.7 bar	atomisation pressure

see manufacturer's instructions



2 coats

without intermediate flash-off  
final flash-off: 0 min - 5 min



CL6500	
<b>20 °C</b>	45 min



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

VOC compliant

2004/42/e(840) 596: The EU limit value for this product (product category: e) in ready to use form is maximum 840 g/l of VOC. The VOC content of this product in ready to use form is maximum 596 g/l.

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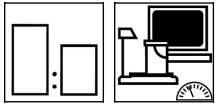


## Products

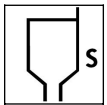
CL210 2K Air Dry Clear

CL6500 VOC Hardener

## Product mix



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



ISO 5: 8 - 10 s at 20°C  
DIN 4: 11 - 13 s at 20°C



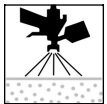
45 - 55 µm (2 coats)

### Theoretical coverage

305 - 340 m<sup>2</sup>/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.



CL210 2K Air Dry Clear can be overcoated with itself within 24 hours, without intermediate sanding



Clean after use with a suitable solventbased cleaning thinner.

## Remarks

- Material has to be at room temperature (18-25°C) before use.
- 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.
- CL210 2K Air Dry Clear is scratch resistant in combination with CL6500 VOC Hardener.

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2K AIR DRY CLEAR



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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