

# TECHNICAL DATA SHEET

## CL240

### 2K HS APPEARANCE CLEAR



#### DESCRIPTION

CL240 2K HS Appearance Clear is part of the Challenger repair system. This high solids universal clear delivers an outstanding, long-lasting, high gloss, final appearance. Thanks to a range of hardeners – from extra slow to fast – it is suitable for a wide variety of application conditions.



#### FEATURES

- Easy to apply
- Extremely versatile thanks to a range of hardeners
- Very fast air drying
- Excellent polishability
- Excellent mar, chemical and weather resistance
- Suitable for spot, panel and overall repairs

#### PRODUCT LIST

- CL240 2K HS Appearance Clear
- CL640 Hardener Fast
- CL650 HS Hardener Medium
- CL680 Hardener Slow
- CL705 Reducer Fast
- CL710 Reducer Medium
- CL715 Reducer Slow

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



	Spot & panel repair		Standard		Large surface	
	Volume	Weight	Volume	Weight	Volume	Weight
<b>CL240</b>	2	100	2	100	2	100
<b>CL640</b>	1	50	-	-	-	-
<b>CL650</b>	-	-	1	48	-	-
<b>CL680</b>	-	-	-	-	1	49
<b>CL705 / CL710</b>	10 %	13	-	-	-	-
<b>CL705 / CL710 / CL715</b>	-	-	10 %	14	-	-
<b>CL710 / CL715</b>	-	-	-	-	10 %	14



Pot life at 20°C: 6 hr - 8 hr



	Spray nozzle	Spray pressure	
<b>Compliant</b>	1.2 - 1.4 mm	1.8 - 2.2 bar	inlet pressure
<b>HVLP</b>	1.2 - 1.4 mm	0.7 bar	atomisation pressure

see manufacturer's instructions



2 coats

intermediate and final flash-off: 5 min



	CL640	CL650	CL680
<b>20 °C</b>	4 hr	6 hr	-
<b>60 - 65 °C</b>	20 min	30 min	40 min



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

VOC compliant

This product mix is not VOC compliant.

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#### Products

CL240 2K HS Appearance Clear

CL640 Hardener Fast

CL650 HS Hardener Medium

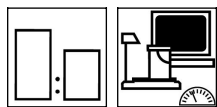
CL680 Hardener Slow

CL705 Reducer Fast

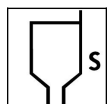
CL710 Reducer Medium

CL715 Reducer Slow

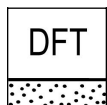
#### Product mix



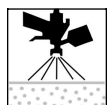
Mixing ratios with special agents are available in the productmix table on Colour Channel and in the specific TDS.



DIN 4: 17 - 19 s at 20°C



55 - 65 µm (2 coats)



CL240 2K HS Appearance Clear can be recoated within 24 hours, without intermediate sanding



Clean after use with a suitable solventbased guncleaner.

#### Remarks

- Material has to be at room temperature (18-25°C) before use.
- Allow additional time for preheating up to panel temperature.
- 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.

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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.

For professional use only! The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check the information with regard to up-to-dateness and suitability for his intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved. The relevant Material Safety Data Sheet and Warnings displayed on the product label need to be observed. We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.