

# TECHNICAL DATA SHEET

# Challenger®

## CHALLENGER® 2K TOPCOAT

### DESCRIPTION

Challenger 2K Topcoat is part of the Challenger repair system. This acrylic topcoat offers very good hiding, very fast drying and superior polishability. It also delivers an excellent final appearance with outstanding gloss retention. It is suitable mainly for passenger cars, but can also be used on buses and trucks.



### FEATURES

- Fast drying.
- Excellent holdout.
- Low material consumption.
- Very good weather and chemical resistance.
- Suitable for spot, panel and overall repairs.

### PRODUCT LIST

- Challenger 2K Topcoat
- Challenger Low Strength Tints
- CL640 Hardener Fast
- CL650 HS Hardener Medium
- CL660 Universal Hardener
- CL680 Hardener Slow
- CL705 Reducer Fast
- CL710 Reducer Medium
- CL715 Reducer Slow



CHALLENGER® 2K TOPCOAT

Product preparation - application STANDARD



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



Surfaces must be prepared and cleaned correctly before application  
Primer-Filler or Filler, sanded and cleaned.  
Old or original paintwork well sanded and cleaned.  
Primer-Filler or Filler, unsanded in a wet-on-wet process.  
Repair areas should be sanded with P500-P600 (by machine) or P800-P1000 (by hand) and cleaned



|                        | Spot & panel repair | Standard | Large surface | Standard. |
|------------------------|---------------------|----------|---------------|-----------|
| CHALLENGER® 2K TOPCOAT | 2                   | 2        | 2             | 2         |
| CL640                  | 1                   | -        | -             | -         |
| CL650                  | -                   | 1        | -             | -         |
| CL660                  | -                   | -        | -             | 1         |
| CL680                  | -                   | -        | 1             | -         |
| CL705 / CL710          | 10 %                | -        | -             | -         |
| CL705 / CL710 / CL715  | -                   | 10 %     | -             | -         |
| CL710 / CL715          | -                   | -        | 10 %          | -         |



Pot life at 20°C: 30 min - 6 hr



|           | Spray nozzle | Spray pressure |                      |
|-----------|--------------|----------------|----------------------|
| Compliant | 1.3 - 1.4    | 1.8 - 2.2 bar  | inlet pressure       |
| HVLP      | 1.3 - 1.5    | 0.7 bar        | atomisation pressure |

see manufacturer's instructions



2 - 3 coats

with intermediate flash-off: 5 min - 15 min  
final flash-off: 10 min



|            | CL640  | CL650  | CL680  | CL660       |
|------------|--------|--------|--------|-------------|
| 20 °C      | 4 hr   | 6 hr   | -      | 5 hr 30 min |
| 60 - 65 °C | 20 min | 30 min | 40 min | 30 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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**Challenger<sup>®</sup>**

## CHALLENGER<sup>®</sup> 2K TOPCOAT

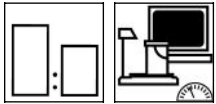
### Products

Challenger 2K Topcoat  
Challenger Low Strength Tints

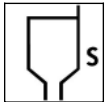
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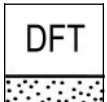
### Product mix



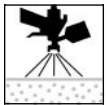
Mixing ratios with special agents are available in the productmix table on Colour Channel and in the specific TDS.



DIN 4: 17 - 19 s at 20°C



40 - 60 µm



Challenger 2K Topcoat can be overcoated with itself within 24 hours, with scuff sanding



Clean after use with a suitable solventbased guncleaner.

### Remarks

- Material has to be at room temperature (18-25°C) before use.
- Challenger tints have to be thoroughly mixed before weigh-out and the Challenger colour has to be mixed immediately after weigh-out.
- Close can of Activator tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.

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## CHALLENGER® 2K TOPCOAT

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.