

TECHNICAL DATA SHEET

CL420

2K HIGH PRODUCTIVE HS FILLER



DESCRIPTION

CL420 2K Productive HS Filler is part of the Challenger repair system. It is a high solids, medium grey filler that dries extremely quickly and delivers an outstanding appearance. It is easy to sand, even days after application. It is suitable for overcoating with Challenger topcoats.



FEATURES

- Simple to apply
- Short flash-off times
- Superb filling properties
- Easy sanding, wet or dry, after 1 hour
- Superb filling properties

PRODUCT LIST

- CL420 2K High Productive HS Filler
- CL640 Hardener Fast
- CL650 HS Hardener Medium
- CL660 Universal Hardener
- CL705 Reducer Fast
- CL710 Reducer Medium

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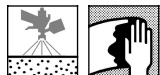
2K HIGH PRODUCTIVE HS FILLER



Product preparation - application STANDARD



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



Steel, galvanised steel or soft aluminium, sanded and cleaned and coated with Wash Primer
Old or original paintwork well sanded and cleaned
OEM Primer (e-coat), sanded and cleaned
Surfaces pretreated with 2K polyester products and then finely sanded and cleaned
Glass fibre polyester substrates, free of release agents, sanded and cleaned.



| | Spot & panel repair | | Standard | | Standard. | |
|----------------------|---------------------|--------|----------|--------|-----------|--------|
| | Volume | Weight | Volume | Weight | Volume | Weight |
| CL420 | 4 | 100 | 4 | 100 | 3 | 100 |
| CL640 | 1 | 18 | - | - | - | - |
| CL650 | - | - | 1 | 18 | - | - |
| CL660 | - | - | - | - | 1 | 23 |
| CL705 / CL710 | 10 % | 8 | 10 % | 8 | - | - |



Pot life at 20°C: 30 min - 1 hr



| | Spray nozzle | Spray pressure | |
|------------------|--------------|----------------|----------------------|
| Compliant | 1.4 - 1.7 mm | 1.8 - 2.2 bar | inlet pressure |
| HVLP | 1.4 - 1.8 mm | 0.7 bar | atomisation pressure |

see manufacturer's instructions



2 - 3 coats

intermediate and final flash-off: 5 min - 10 min



| | CL640 | CL650 | CL660 |
|-------------------|--------|-------------|-------------|
| 20 °C | 1 hr | 1 hr - 2 hr | 1 hr - 2 hr |
| 60 - 65 °C | 20 min | 30 min | 30 min |



Guideline for short wave IR equipment
Half power: 10 min



P400 - P500



Basecoat + Clearcoat
Challenger 2K Topcoat

VOC compliant

This product mix is not VOC compliant.

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Products

CL420 2K High Productive HS Filler

CL640 Hardener Fast

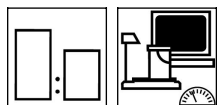
CL650 HS Hardener Medium

CL660 Universal Hardener

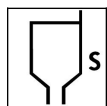
CL705 Reducer Fast

CL710 Reducer Medium

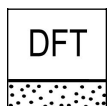
Product mix



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



50 - 100 µm



Clean after use with a suitable solventbased guncleaner.

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.
- When isolating certain spots, the best results are achieved with a medium dry film thickness of 80-120µm with 2 layers at airdrying over night or forced IR drying. For critical substrates a fine preliminary work is required and the parts must be covered all over.
- Allow additional time for preheating up to panel temperature.

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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.

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