

# PS1420

## UV HP PRIMER-SURFACER



### PRODUCT DESCRIPTION

PS1420 UV High Productive Primer-Surfacer is a 1K, semi-transparent grey primer-surfacer for bodyshops who want to improve productivity. It dries in one minute using most commercially-available LED UV lamps, and can be sanded as soon as it is cured. It can be applied directly to a variety of substrates in 2 coats, without the need for an activator or a thinner. Also suitable for plastic substrates, which must be pre-treated with a plastic adhesion promoter. The UV primer-surfacer can be over-coated with all Cromax Basecoats and Topcoats.

**UV curing 1K Primer-Surfacer for ultra-quick repairs of smaller areas**

### FEATURES

- 01** Lightning-fast curing process
- 02** Highly productive, short flash-off time
- 03** 1K technology, ready-for-use, no need for an activator or a thinner
- 04** Reduced waste due to 1K technology
- 05** Superior adhesion for a better corrosion resistance
- 06** Excellent spraying and sanding properties
- 07** CMR-chemical-free formulation
- 08** Suitable for ultra-fast spot repairs
- 09** Also available as aerosol

# TECHNICAL DATA SHEET

## PS1420

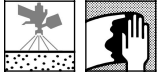


## UV HP PRIMER-SURFACER

### Product preparation - application PS1420 UV HIGH PRODUCTIVE PRIMER-SURFACER



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



Bare steel sanded and cleaned  
Galvanised steel or aluminium sanded and cleaned  
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.  
Substrates should not be sanded coarser than with P240 abrasive (orbital machine sanding) prior overcoating with UV filler.  
Rigid & half rigid types of plastics primed with 800R/800RA Plastic Adhesion Promotor after preparation (cleaning/tempering/cleaning).



Ready to use



Not applicable



	Spray nozzle	Spray pressure	
Compliant	1.1 - 1.2	1.5 - 1.8 bar	inlet pressure
HVLP	1.1 - 1.2	0.7 bar	atomisation pressure

see manufacturer's instructions



2 coats  
Do not apply to coverage.

intermediate flash-off 30 sec.  
final flash-off 90 sec.



All listed data is related to IRT UV SmartCure 395 LED handlamp.  
1-2 min at a distance of 10-15 cm to the object.  
On putty/stopper spots the UV primer surfacer has to be cured for 2 min.  
A sufficient through hardening and adhesion is dependent on: Dry film thickness, intensity of the light bulb (decreasing over working time), distance to the object (increasing the lamp distance decreases the UV intensity on the surface) and curing time. PS1420 UV HP Primer Surfacers is slightly transparent in order to achieve good through curing. Do not apply to coverage.  
LED UV lamp 395nm.



P500 - P600  
P800 - P1000



Centari Basecoat / Cromax Pro Basecoat + all Cromax Clearcoats  
Centari 2K Topcoats

VOC compliant

2004/42/IIIB(c)(540) 360: The EU limit value for this product (product category: IIB(c)) in ready to use form is maximum 540 g/l of VOC. The VOC content of this product in ready to use form is maximum 360 g/l.

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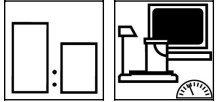


## UV HP PRIMER-SURFACER

### Products

PS1420 UV HP Primer-Surfacer

### Product mix



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



80 - 100  $\mu\text{m}$

If higher film builds are needed, intermediate drying under UV-light is necessary before re-application of further coats. An intermediate sanding in the course of this process is not required.



Clean after use with a suitable solventbased guncleaner.

### Remarks

- Material has to be at room temperature (18-25°C) before use.
- Hand stir well before pouring.
- Surplus material should not be returned to the original can.
- Spray gun should be equipped with light-proof gravity cups.
- With regards to elastifying properties, the use of an Elasticator is not recommended.
- Follow strictly the operational instructions of the drying equipment manufacturer.
- Alternative LED UV lamps with 395nm wave length and comparable intensity are useable.
- If intensity is lower, curing time and distance have to be adjusted.
- On bare steel, galvanised steel and aluminium, Pretreatment Wipes can be applied upfront for improved corrosion protection and adhesion.
- The use of UV undercoats is not recommended for repairs of substrates overcoated with matt finishes.

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## UV HP PRIMER-SURFACER

Drying by UV-A radiation

- The handling of ultraviolet radiation sources requires, however, particular care. Only with an appropriate handling of a licensed ultraviolet drying equipment potential dangers can be avoided.
- Follow strictly the operating and safety instructions of the producer of the UV-A drying equipment.
- The following UV protection for skin and eyes should be used:
  - Wearing UV protective safety goggles with the use of LED handlamp.
  - Wearing UV light absorbing / reflecting gloves and working clothes.

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 Cromax 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 Cromax product range, unless explicitly indicated otherwise.

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