

# PS1081 - PS1084 - PS1087

## ULTRA PERFORMANCE

## ENERGY SURFACER



### PRODUCT DESCRIPTION

Based on new chemistry, PS1081 - PS1084 - PS1087 Ultra Performance Energy Surfer from Cromax leads to a much more productive preparation process. With a very impressive air-drying performance, it's ideal for all bodyshops who would like to break throughput records.

**A new surfacer that breaks records for throughput.**

### FEATURES

- 01** Very impressive air-drying performance. It can be sanded from as quickly as 20 minutes after air drying, depending on local climate conditions. IR and low bake with shortest drying times are possible too.
- 02** The high-quality appearance, with a smooth surface, provides outstanding gloss hold-out after top coating.
- 03** Easy to apply, in up to four coats, with very good vertical stability. Simple 1:1 mixing ratio with AR7802 Energy Surfer Activator.
- 04** On metal substrate, the use of PS1800 Metal Pretreatment Wipes is mandatory.
- 05** Spot repairs, small area repairs, refinishing of parts, in fact any type of repair of any size can be handled at the same time, thanks to air-drying.
- 06** Part of the ValueShade concept: available in white (VS1), grey (VS4), and black (VS7).

# TECHNICAL DATA SHEET

## PS1081 - PS1084 - PS1087

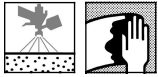


## ULTRA PERFORMANCE ENERGY SURFACER

### Product preparation - application STANDARD SANDING



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



Steel, galvanised steel and soft aluminium, sanded and cleaned, treated with PS1800 Metal Pretreatment Wipes  
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



	VS1	VS2	VS3	VS4	VS5	VS6	VS7
PS1081	100	85	60	-	-	-	-
PS1084	-	15	40	100	75	45	-
PS1087	-	-	-	-	25	55	100

Standard Sanding		
	Volume	Weight
PS1081	1	100
PS1084		
PS1087		
AR7802	1	55
AZ9800	0.2	10



Pot life at 20°C: 30 min - 1 hr



	Spray nozzle	Spray pressure	
Compliant	1.4 - 1.6 mm	1.5 bar	inlet pressure
HVLP	1.4 - 1.6 mm	0.7 bar	air cap pressure

see manufacturer's instructions



2 - 4 coats

until flat after the first coat, for the subsequent coats no flash-off is required



	AR7802/AZ9800
20 °C	20 min - 1 hr
40 - 45 °C	10 min - 15 min
60 - 65 °C	5 min - 10 min



Guideline for short wave IR equipment  
Half power: 5 - 10 min



P500 - P600



Overcoating within 24 hours  
Basecoat + Clearcoat  
Centari 2K Topcoats  
Activated Cromax Basecoat / Activated Cromax Pro Basecoat + CC6700 Ultra Performance Energy Clear

VOC compliant

2004/42/IIB(c)(540) 540: 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 540 g/l.

# TECHNICAL DATA SHEET

## PS1081 - PS1084 - PS1087

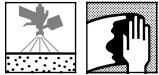


## ULTRA PERFORMANCE ENERGY SURFACER

### Product preparation - application STANDARD PLASTICS



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



Repairs to exterior common plastic car parts, sanded and cleaned.  
OEM Primer for plastic, scuff sanded and cleaned.  
Glass fibre reinforced polyester substrates, free of release agents, sanded and cleaned.  
Plastic substrates coated with 800R/800RA Plastic Adhesion Promotor.



	VS1	VS2	VS3	VS4	VS5	VS6	VS7
PS1081	100	85	60	-	-	-	-
PS1084	-	15	40	100	75	45	-
PS1087	-	-	-	-	25	55	100

Standard Plastics		
	Volume	Weight
PS1081 PS1084 PS1087	0.9	94
805R	0.1	6
AR7802	1	58
AZ9800	0.2	10



Pot life at 20°C: 30 min



	Spray nozzle	Spray pressure	
Compliant	1.4 - 1.6 mm	1.5 bar	inlet pressure
HVLP	1.4 - 1.6 mm	0.7 bar	atomisation pressure

see manufacturer's instructions



2 - 3 coats

until flat after the first coat, for the subsequent coats no flash-off is required



	AR7802/AZ9800
20 °C	20 min - 1 hr
40 - 45 °C	10 min - 15 min
60 - 65 °C	5 min - 10 min



P500 - P600



Overcoating within 24 hours  
Basecoat + Elastified Clearcoat  
Elastified 2K Topcoat  
Activated Cromax Basecoat / Activated Cromax Pro Basecoat + CC6700 Ultra Performance Energy Clear

VOC compliant

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# TECHNICAL DATA SHEET

**PS1081 - PS1084 - PS1087**



## ULTRA PERFORMANCE ENERGY SURFACER

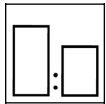
### Products

PS1081 Ultra Performance Energy Surfacers - VS1  
PS1084 Ultra Performance Energy Surfacers - VS4  
PS1087 Ultra Performance Energy Surfacers - VS7

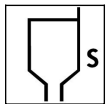
AR7802 Energy Surfacers Activator

805R Flexible Additive  
AZ9800 Energy Surfacers Accelerator  
XB383 Standard Thinner  
XB387 HI-Temp Thinner

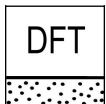
### Product mix



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



DIN 4: 13 - 14 s at 20°C



80 - 150 µm



Clean after use with a suitable solventbased guncleaner.

# TECHNICAL DATA SHEET

**PS1081 - PS1084 - PS1087**



## ULTRA PERFORMANCE ENERGY SURFACER

### Remarks

- For IR drying, only use standard hardener and standard accelerator.
- Humidity has an accelerating influence on the drying performance and potlife.
- Do not use Wash Primer under Ultra Performance Energy Surfacers PS1081 - PS1084 - PS1087.
- The use of the PS1800 Metal Pretreatment Wipes is mandatory for bare metal substrates. Non-use can be detected analytically.
- Material has to be at room temperature (18-25°C) before use.
- Can also be applied with short intermediate flash-off time to isolate Putty repairs.
- Surplus ready for use material should not be returned to original can.
- Very early sanding will be achieved with premium / flexible sanding discs.
- Sandable as of 20 min depending on the humidity / temperature and dry film thickness.
- After usage all cans must be closed immediately.
- If required, for large areas up to 5% thinner can be added to the mixed material.
- If Ultra Performance Energy Surfacers PS1081 - PS1084 - PS1087 is elasticized, this mixture can also be applied to adjacent areas of metal surfaces. The setting remains VOC compliant.
- Elastification is mandatory for rigid & half rigid types of plastics.
- For IR drying, only use standard Activator AR7802 and standard Accelerator AZ9800.
- ValueShade 2 (VS2) can also be obtained by mixing 96 g of PS1081 with 4 g of PS1087
- ValueShade 3 (VS3) can also be obtained by mixing 90 g of PS1081 with 10 g of PS1087
- ValueShade 4 (VS4) can also be obtained by mixing 75 g of PS1081 with 25 g of PS1087
- ValueShade 5 (VS5) can also be obtained by mixing 55 g of PS1081 with 45 g of PS1087
- ValueShade 6 (VS6) can also be obtained by mixing 35 g of PS1081 with 65 g of PS1087

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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