

# NS2081 - NS2084 - NS2087

## ULTRA PERFORMANCE NON-SANDING SURFACER



### PRODUCT DESCRIPTION

Based on patented Axalta chemistry, NS2081 - NS2084 - NS2087 Ultra Performance Non-Sanding Surfacers from Cromax delivers the most productive preparation process when overcoating new parts. With a very impressive five-minute flash-off time under Cromax Pro, it's ideal for all bodyshops who would like to break throughput records.

**A non-sanding surfacer for new panel repairs that breaks records for throughput and combines ultra-productive performance with premium appearance**

### FEATURES

- 01** Very impressive overcoat and denibbing time after five minutes air drying, depending on local climate conditions. No forced or IR drying needed.
- 02** The high-quality appearance provides outstanding gloss hold-out after top coating.
- 03** Easy to apply in 1 to 2 coats with excellent vertical stability.
- 04** Simple 1:1:0.2 mixing ratio with AR7202 Non-Sanding Surfacers Activator and AZ9800 Energy Surfacers Accelerator.
- 05** Significant energy cost savings and part of the Ultra Performance Energy System, which makes it the fastest way to refinish a new panel.
- 06** The use of PS1800 Metal Pretreatment Wipes is mandatory on metal substrates.
- 07** Part of the ValueShade concept: available in white (VS1), grey (VS4) and black (VS7).
- 08** In combination with the AZ9700 Ultra Performance Plastic Additive it can be used for direct to plastic refinishing of most commonly used plastic substrates on passenger cars.

# TECHNICAL DATA SHEET

## NS2081 - NS2084 - NS2087

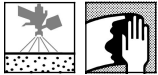


### ULTRA PERFORMANCE NON-SANDING SURFACER

#### Product preparation - application STANDARD NON-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), finely sanded or unsanded and thoroughly cleaned. Remark: due to the wide variety of electrocoats present on the market, its quality can differ a lot. For this reason preferably scuff sand the e-coat

Surfaces pretreated with 2K polyester products and then finely sanded and cleaned



	VS1	VS2	VS3	VS4	VS5	VS6	VS7
NS2081	100	75	45	-	-	-	-
NS2084	-	25	55	100	75	45	-
NS2087	-	-	-	-	25	55	100

	Semi flexible		Semi flexible >30°C and 50% RH	
	Volume	Weight	Volume	Weight
NS2081 / NS2084 / NS2087	0.9	93	0.9	93
805R / AZ9405	0.1	7	0.1	7
AR7202	1	63	1	63
AZ9800	0.2	12	-	-
XB387	-	-	0.2	12



at 20°C: 30 min - 1 hr



	Spray nozzle	Spray pressure	
HVLP	1.3 - 1.6 mm	0.7 bar	air cap pressure
Compliant	1.3 - 1.6 mm	1.5 - 1.8 bar	inlet pressure

see manufacturer's instructions



1 - 2 coats

final flash-off: 5 min - 8 hr



Cromax Pro Basecoat + Cromax Clearcoat

C5035 Low Emission 2K Topcoat

Cromax Pro Basecoat + CC6750 Ultra Performance Energy System 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

## NS2081 - NS2084 - NS2087

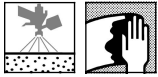


### ULTRA PERFORMANCE NON-SANDING SURFACER

#### Product preparation - application STANDARD NON-SANDING FOR 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.  
New exterior common plastic car parts, tempering 60 min. 60-65°C / first clean use a ultrafine pad soaked in 3950S Anti-static Degreaser then final clean using a cloth again moistened with 3950S Anti-static Degreaser.  
Wipe surface to loosen and lift contaminants. Immediately, thoroughly wipe off with a clean cloth. Change cloths often, never use dirty cloths.



	VS1	VS2	VS3	VS4	VS5	VS6	VS7
NS2081	100	75	45	-	-	-	-
NS2084	-	25	55	100	75	45	-
NS2087	-	-	-	-	25	55	100

Standard Plastics		
	Volume	Weight
NS2081 / NS2084 / NS2087	1	100
AR7202	1	59
AZ9700	0.4	22



at 20°C: 30 min - 1 hr



	Spray nozzle	Spray pressure	
HVLP	1.3 - 1.6	0.7 bar	air cap pressure
Compliant	1.3 - 1.6	1.5 - 1.8 bar	inlet pressure

see manufacturer's instructions



1 - 2 coats

final flash-off: 5 min - 8 hr



Cromax Pro Basecoat + Elastified Cromax Clearcoat  
Elastified C5035 Low Emission 2K Topcoat  
Cromax Pro Basecoat + elastified CC6750 Ultra Performance Energy System Clear.

VOC compliant

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# TECHNICAL DATA SHEET

## NS2081 - NS2084 - NS2087



### ULTRA PERFORMANCE NON-SANDING SURFACER

#### Products

NS2081 Ultra Performance Non-Sanding Surfacers - VS1

NS2084 Ultra Performance Non-Sanding Surfacers - VS4

NS2087 Ultra Performance Non-Sanding Surfacers - VS7

AR7202 Non-Sanding Surfacers Activator

AZ9800 Energy Surfacers Accelerator

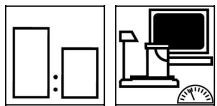
AZ9700 Ultra Performance Plastic Additive

805R Flexible Additive

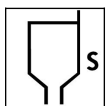
AZ9405 Elastic Additive

XB387 HI-Temp Thinner

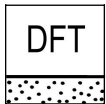
#### Product mix



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



25 - 50 µm

#### Theoretical coverage

390 m<sup>2</sup>/l at 1 micron dry film thickness

Due to different activator characteristics and different mixing ratios of the ready-to-use mixture in some TDS versions, the theoretical coverage calculation may vary.

Note: The practical material consumption depends on several factors, e.g. geometry of the object, surface formation, application method, spray gun setting, inlet pressure, etc.



Clean after use with a suitable solventbased guncleaner.

# TECHNICAL DATA SHEET

## NS2081 - NS2084 - NS2087



### ULTRA PERFORMANCE NON-SANDING SURFACER

#### Remarks

- No Wash Primer or 2K EP Primer-Surfacers under NS2081 - NS2084 - NS2087 Ultra Performance Non-Sanding Surfacers allowed.
- The use of the PS1800 Metal Pretreatment Wipes is mandatory for bare metal substrates. Non-use can be detected analytically.
- NS2081 - NS2084 - NS2087 Ultra Performance Non-Sanding Surfacers is suitable for the repair of 3-stage colours with Cromax Pro Basecoat. Please refer to the corresponding Cromax Pro Basecoat Technical Data Sheet for the application of Tri-stage colours.
- Very early denibbing at the earliest after 5 min possible.
- After usage all cans must be closed immediately.
- Material has to be at room temperature (18-25°C) before use.
- Humidity has an accelerating influence on the drying performance and potlife.
- If NS2081 - NS2084 - NS2087 Ultra Performance Non-Sanding Surfacers is mixed with AZ9700 Ultra Performance Plastic Additive, this mixture can also be applied to adjacent metal parts (bare metal areas need to be pre-primed with PS1800 Metal Pretreatment Wipes) although this is not the primary intention.
- **For improved adhesion properties, particularly on critical plastic substrates such as e.g. PP, the use of Cromax Plastic Adhesion Promotor 800R/800RA prior to the application of NS2081 - NS2084 - NS2087 Ultra Performance Non-Sanding Surfacers mixed with AZ9700 Ultra Performance Plastic Additive is recommended.**
- **For more detailed information, e.g. suitable plastic substrates, please refer to the Cromax Plastic Painting System Data Sheet CXPlasticSystem.**

Intermediate Valueshades can also be obtained by mixing NS2081 and NS2087.

	VS1	VS2	VS3	VS4	VS5	VS6	VS7
NS2081	100	93	82	60	35	17	-
NS2087	-	7	18	40	65	83	100

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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