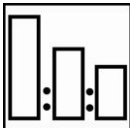
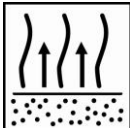


Autoclear Plus HS

FOR PROFESSIONAL USE ONLY

Description			
High-build, two-component clearcoat designed for universal application and optimal appearance for both Autowave and Autobase Plus 2-and 3 coat systems which secures excellent flow and gloss.			
	100 Autoclear Plus HS 50 P Hardeners 10 Plus Reducers		
	Use Sikkens measuring stick 3 Purple		
	Spray gun set-up: 1.2-1.4 mm	Application pressure: 1.7-2.2 bar at the air inlet HVLP max 0.6-0.7 bar at the air cap	
	2 x 1 coat First apply a medium closed coat, next apply a full coat		
	Between coats 5-10 minutes at 20°C	Before curing 5-10 minutes at 20°C	
	P15 Hardener P25 Hardener P35 Hardener P45 Hardener	20°C 4 hours 6 hours 10 hours 10 hours	60°C 15 minutes 35 minutes 45 minutes 45 minutes
	Use suitable respiratory protection Akzo Nobel Car Refinishes recommends the use of a fresh air supply respirator.		

Read complete TDS for detailed product information

Autoclear Plus HS

FOR PROFESSIONAL USE ONLY

Description

High-build, two-pack clearcoat designed for universal application and optimal appearance in Autowave and Autobase 2-and 3 coat systems. Excellent flow and gloss.

Product and additives

Autoclear Plus HS

Hardener	P15 Hardener:	spot and panel repairs at 20°C-25°C
	P25 Hardener:	spot and panel repairs at 20°C-30°C
	P35 Hardener:	larger areas and overall refinishing at 20°C-40°C
	P45 Hardener:	larger areas and overall refinishing above 40°C
Plus Reducers	Plus Reducer Fast:	spot and panel repairs, temperature range: 15°C-25°C.
	Plus Reducer Medium:	spot and panel repairs and large areas, temperature range: 20°C-30°C.
	Plus Reducer Slow:	larger areas and complete paint jobs, temperature range: 25°C-35°C.
	Plus Reducer Extra Slow:	temperature range: above 35°C.
Additives	Autoclear Mat:	See TDS 5.5.1
	Elast-O-Actif:	See TDS S8.06.03c

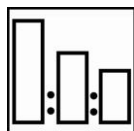
Basic raw materials

Autoclear Plus HS:	Acrylic and polyester resins
P Hardener:	Poly-isocyanate resins

Suitable substrates

Autobase Plus
Autobase Classic
Autowave
Autowave 2.0

Mixing

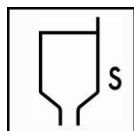


Standard systems

100	Autoclear Plus HS
50	P Hardeners
10	Plus Reducers

Use measuring stick No. 3 Purple.

Viscosity



15-18 seconds DIN Cup 4 at 20°C.

Spray gun set-up / application pressure



Spray gun
Gravity feed

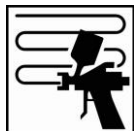
Fluid tip – set-up
1.2-1.4 mm

Application pressure
1.7-2.2 bar at the spray gun air inlet
HVLV max 0.6-0.7 bar at the air cap

Autoclear Plus HS

FOR PROFESSIONAL USE ONLY

Application process & blending



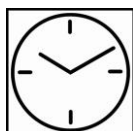
Apply a medium closed coat, allow for 5-10 minutes flash-off and apply a full coat.
Flash off 5-10 minutes before baking.
Recoat with itself within 24 hours
For blending, see TDS S8.01.01.

Pot-life

P15 Hardener	3 hours	at 20°C
P25 Hardener	4 hours	at 20°C
P35 Hardener	6 hours	at 20°C
P45 Hardener	7 hours	at 20°C

Drying times

Allow for a minimum of 5 minutes flash-off time at 20°C before moving the car into a pre-heated drying oven (booth) at 60°C. All drying times relate to standard application and object temperature.
Consider the time required for the spraybooth to reach an acceptable air temperature to enable the heat transfer of 60°C to the object.



P15 Hardener	P25 Hardener	P35 Hardener	P45 Hardener
--------------	--------------	--------------	--------------

20°C	Dust dry	15 minutes	45 minutes	45 minutes	45 minutes
	Dry to handle*	4 hours	6 hours	10 hours	10 hours
60°C	Dust dry	5 minutes	5 minutes	10 minutes	10 minutes
	Dry to handle*	15 minutes	35 minutes	45 minutes	45 minutes



Allow 5 minutes flash off prior to infra red curing
The panel temperature should not exceed 100°C.
For additional information, see TDS S9.01.01

Autoclear Plus HS

FOR PROFESSIONAL USE ONLY

Polishability



Ready to polish after the stated air-dry times or 1 hour after cool down to ambient temperature.

Film thickness

By using the recommended application (2 coats)

μm
60-80

Theoretical Coverage

The theoretical material usage at 1 μm dry film thickness is:

377 m²/liter

Cleaning of equipment

Sikkens Solvent or solvent borne guncleaners

VOC

The VOC content of this product in ready to use form is 560 g/liter.

Product storage

Product shelf-life is determined when products are stored unopened at 20°C.
Avoid extreme temperature fluctuation.

- *Product shelf life data see TDS S9.01.02*

Akzo Nobel Car Refinish bv.
Address: Rijksstraatweg 31, PO Box 3, 2170 BA Sassenheim
Tel: +31(0)71308-6944

FOR PROFESSIONAL USE WITH SUITABLE HS&E EQUIPMENT

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Coatings brand names mentioned in this data sheet are trademarks of or are licensed to Akzo Nobel.

Head Office

Akzo Nobel Car Refinishes B.V., PO Box 3 2170 BA Sassenheim, The Netherlands. www.sikkenscr.com