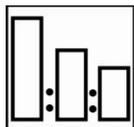


Autoclear[®] Rapid

FOR PROFESSIONAL USE ONLY

Description

Autoclear Rapid is a quick drying, two pack medium solid clearcoat especially designed for application on Autobase Plus. In addition to standard application inside a spraybooth, this user friendly clearcoat also delivers excellent results in less-than-ideal application conditions like cross flow spraybooths and preparation area. Very quick dust free surface eliminates the need for keeping the vehicle for longer time in the spraybooth which enhances the spraybooth utilization. Autoclear Rapid is polishable in as fast as 1 hour at higher room temperatures even though it might still feel sticky.



100 Autoclear Rapid
50 Autoclear Rapid Hardener/Hardener P25/P35
10-20 Plus Reducers



Use Sikkens measuring stick

3 Purple

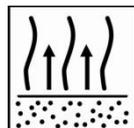


Spray gun set-up:
1.2-1.4mm

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 after indicated flash off time



Between coats
3-5 minutes at 20°C
Reducer selection according temperature

Before curing
3-5 minutes at 20°C
Flash-off time depending on oven type



Production Selection	20°C	60°C
Autoclear Rapid Hardener	3 hours	9 minutes
P25 Hardener	4 hours	20 minutes
P35 Hardener	6 hours	25 minutes



Use suitable respiratory protection
Akzo Nobel Car Refinishes recommends the use of a fresh air supply respirator.

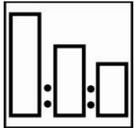
Read complete TDS for detailed product information

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Description

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100 Autoclear Rapid
50 Autoclear Rapid Hardener
20 Autoclear LV Superior Accelerator



Use Sikkens measuring stick

3 Purple

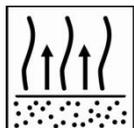


Spray gun set-up:
1.2-1.4mm

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



Between coats
3-5 minutes at 20°C

Before curing
3-5 minutes at 20°C



Dry to polish
Autoclear LV Superior Accelerator

20°C
90 minutes

60°C
6 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

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Autoclear Rapid is a quick drying, two pack medium solid clearcoat especially designed for application on Autobase Plus. In addition to standard application inside a spraybooth, this user friendly clearcoat also delivers excellent results in less-than-ideal application conditions like cross flow spraybooths and preparation area. Very quick dust free surface eliminates the need for keeping the vehicle for longer time in the spraybooth which enhances the spraybooth utilization. Autoclear Rapid is polishable in as fast as 1 hour at higher room temperatures even though it might still feel sticky.

Product and additives

Autoclear Rapid

Hardener Autoclear Rapid Hardener;
P25 Hardener; spot and panel repairs at 20°C-30°C
P35 Hardener; larger areas and overall refinishing at 20°C-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; to use in extremely hot temperatures, temperature range: above 35°C.

Additives Elast-O-Actif; to elasticize Autoclear Rapid making it suitable for plastic parts. See S8.06.03

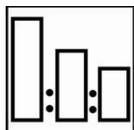
Basic raw materials

Autoclear Rapid: Acrylic and polyester resins
Hardeners: Poly-isocyanate resins

Suitable substrates

Autobase Plus; after a minimum flash off time of 15 minutes at 20°C
Autowave; after a minimum flash off time of 15 minutes at 25° (*Suitable for small spot repair only*)
Autowave 2.0; until completely matt and dry (*Suitable for small spot repair only*)

Mixing



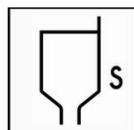
Standard System

100 Autoclear Rapid
50 Hardener P25/P35
10-20 Plus Reducers
Use measuring stick No. 3 Purple

Accelerated System

100 Autoclear Rapid
50 Autoclear Rapid Hardener
10-20 Plus Reducer / LV Superior Accelerator
Use measuring stick No. 3 Purple

Viscosity



13-15 seconds – DIN Cup 4 at 20°C.

Autoclear[®] Rapid

FOR PROFESSIONAL USE ONLY

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
HVLP max 0.6-0.7 bar at the air cap

Application process & blending



Apply two single coats, allowing for a 3-5 minutes flash-off time at 20°C between coats. Allow for a 3-5 minutes flash-off time at 20°C before baking.

- Flash-off between coats; in case of application to larger areas, flash off between coats is minimal.
- Recoatable with itself after full drying cycle, sanding becomes necessary after 24 hours
- For blending (spot repair and panel blends), see TDS S8.01.01.

Pot-life

All system combinations without Accelerator > 4 hours at 20°C
Rapid Hardener + Accelerator 2 hours at 20°C

Film thickness

By using the recommended application: 50-60 µm.

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.



	Rapid Hardener + LV Superior Accelerator	Rapid Hardener	P25 Hardener	P35 Hardener
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20°C	Dust dry	5 min	7 min	15 min	25 min
	Dry to handle*	1 hr 30 min	3 hrs	2 hrs 45 min	3 hrs
	Hard dry	4 hrs	5 hrs	4 hrs	6 hrs

40°C	Dust dry	3 min	3 min	10 min	15 min
	Dry to handle*	45 min	50 min	1 hr 15 min	1 hr 30 min
	Hard dry	1 hr	1 hr 10 min	2 hrs 15 min	3 hrs

60°C	Dust dry	2 min	2 min	4 min	4-5 min
	Dry to handle*	6 min	9 min	15 min	20 min
	Hard dry	7 min	10 min	20 min	25 min

Autoclear[®] Rapid

FOR PROFESSIONAL USE ONLY

Drying times (continued)



Dry to handle after approximately 10 minutes.
Allow 5 minutes flash off prior to infra red curing
The panel must not reach a temperature above 100°C while curing.
For additional infra red drying information; see TDS S9.01.01

Polishability



Dust and minor imperfections can be polished out after the stated air-dry times have been reached, or after a full bake at 60°C object temperature, followed by a cool down of the object to ambient temperature. Carefully sand out dust particles and restore the surface according polishing recommendations. Ready to polish approximately 30 minutes after the end of the drying cycle.

Theoretical Coverage

By using the recommended application, the theoretical material usage is $\pm 7,8$ m²/liter RTS mixture.

The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, pressure and application circumstances.

Cleaning of equipment

Sikkens Solvents or solvent borne guncleaners

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

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Tel: +61 3 9644 1711
Akzo Nobel Pty Ltd T/A Akzo Nobel Car Refinishes Australia

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.

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