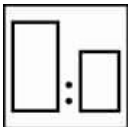
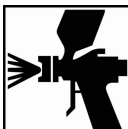
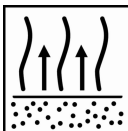
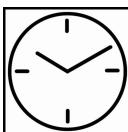


Autoclear Optima

FOR PROFESSIONAL USE ONLY

Description						
Autoclear Optima is a high-performance, two-pack VOC-compliant clearcoat offering multiple fast-drying options, including bake at 40°C and at 50°C, as well as ambient drying. It supports both 1.5-coat and traditional 2-coat applications, delivering premium gloss, smooth flow, and easy application. With a wide application window, it ensures consistent, reliable performance across various temperatures and humidity levels. Autoclear Optima is the ideal partner for flexible workshop operations, helping to improve workflow, increase throughput, reduce energy consumption, and accelerate processes for greater overall efficiency.						
	100 50	Autoclear Optima Fast Autoclear Optima Hardener Fast				
	Spray gun set-up: 1.2-1.3 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		Non-stop application ½ + 1 coat First apply a light closed coat. Next apply a full coat without flash off time. 1-2 panel application, allow flash-off 1-3 min.			
	Between coats 0-3 minutes at 20°C		Before curing 0-3 minutes at 20°C			
	Autoclear Optima Fast Autoclear Optima Hardener Fast		Dust dry Dry to handle	20°C 20-25 min 45-50 min	40°C x 7 min	50°C x 5 min
	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 Optima is a high-performance, two-pack VOC-compliant clearcoat offering multiple fast-drying options, including bake at 40°C and at 50°C, as well as ambient drying. It supports both 1.5-coat and traditional 2-coat applications, delivering premium gloss, smooth flow, and easy application. With a wide application window, it ensures consistent, reliable performance across various temperatures and humidity levels. Autoclear Optima is the ideal partner for flexible workshop operations, helping to improve workflow, increase throughput, reduce energy consumption, and accelerate processes for greater overall efficiency.

Product and additives

Clearcoat	Autoclear Optima Fast
Hardener	Autoclear Optima Hardener Fast

Basic raw materials

Autoclear Optima Fast:	Polyacrylic and Polyester resins
Autoclear Optima Hardener:	Poly-isocyanate resins

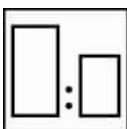
Suitable substrates

Autowave MM 2.0
Autowave Optima MM

Mixing

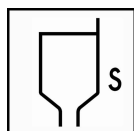


65 parts by weight of Autoclear Optima Fast
35 parts by weight of Autoclear Optima Hardener Fast



100 Autoclear Optima Fast
50 Autoclear Optima Hardener Fast

Viscosity



14-18 seconds – DIN Cup 4 at 20°C.

Spray gun set-up / application pressure



Spray gun
Gravity feed

Fluid tip – set-up
1.2-1.3 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

Autoclear Optima

FOR PROFESSIONAL USE ONLY

Application process



Apply two single coats, allowing for a 0-3 minutes flash-off time at 20°C between coats.

or

Non-stop application: ½ + 1 coat

- o First apply a light closed coat.
- o Next apply a full coat without flash off time .

1-2 panel application, allow flash-off time 1-3 min.

Pot-life

Autoclear Optima Fast +
Autoclear Optima Hardener Fast

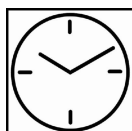
30 minutes

at 20°C

Film thickness

By using the recommended application: 45-60 µm.

Drying times



		20°C	40°C	50°C
	Dust dry	20-25 min	x	x
Autoclear Optima Fast Autoclear Optima Hardener Fast	Dry to handle	45-50 min	7 min	5 min



Drying / Curing with short wave light IR equipment and a surface distance of 70 –80cm.

Allow 3 mins minutes flash off prior to infra-red curing.

The panel temperature should not exceed 60°C.

Infra Red	Low power (30°C)	High power (60°C)
Autoclear Optima Fast	2 mins	5 mins

For additional information, see TDS S9.01.01

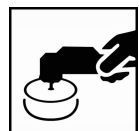
Blending

For blending, see [TDS S8.01.01](#).

Recoatability

Recoatable with itself within 8 hours, after which sanding is mandatory

Polishability



Baking. Ready to polish after object cools down.

Ambient. Ready to polish after 60-90 minutes air dry at 20°C.

Autoclear Optima

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Material usage

Ready for use mixture at 1 µm layer thickness: ± 527 m²/liter

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 Solvent or solvent borne guncleaners

VOC

2004/42/IIIB(d)(420)420

The EU limit value for this product (product category: IIB.d) in ready to use form is max. 420 g/l VOC.
The VOC content of this product in ready to use form is max. 419 g/liter.

Product storage

Product shelf-life is currently 1 year Hardeners and 2 years Autoclear Optima when stored unopened at 20°C

Optimal storage temperature is approximately 21°C. Avoid too much temperature fluctuation. The maximum temperature range for storage is 5°C - 35°C

- o Product shelf life data see TDS S9.01.02

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Tel: +44 (0)1235 862226

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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