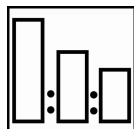


# Autoclear LV

**FOR PROFESSIONAL USE ONLY**

## Description

Autoclear LV is a two-component VOC compliant clearcoat with one dedicated hardener and reducer resulting in a simple mixing ratio. The application window of the Autoclear LV covers all sizes of repairs in the Car Refinishing and has been designed for application on the Autowave basecoat.



100 Autoclear LV  
50 Autoclear LV Hardener  
10 Autoclear LV Reducer



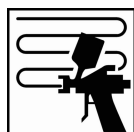
Use Sikkens measuring stick

**3** Purple

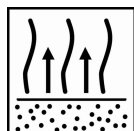


Spray gun set-up:  
1.2-1.4 mm

Application pressure:  
1.7-2.2 bar at the air inlet  
HVLP max 0.6-0.7 bar at the air cap

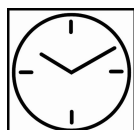


2 x 1 coat  
First apply a medium closed coat, next apply a full coat after the indicated flash off time



Between coats  
5-10 minutes at 20°C

Before curing  
5-10 minutes at 20°C



	20°C	60°C
Autoclear LV	1 ½ hour	20 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 LV

**FOR PROFESSIONAL USE ONLY**

## Description

Autoclear LV is a two-component VOC compliant clearcoat with one dedicated hardener and reducer resulting in a simple mixing ratio. The application window of the Autoclear LV covers all sizes of repairs in the Car Refinishing and has been designed for application on the Autowave basecoat.

## Product and additives

**Clearcoat** Autoclear LV; standard clearcoat for all repair sizes, to be used at temperatures up till 30°C.

**Hardener** Autoclear LV Hardener

**Reducer** Autoclear LV Reducer

*No plasticiser (Elast-O-Actif) required for application on plastic car parts.*

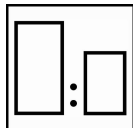
## Basic raw materials

Autoclear LV; Polyol resins  
Autoclear LV Hardener; Poly-isocyanate resins

## Suitable substrates

Autowave MM  
Autowave MM 2.0

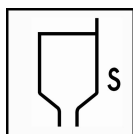
## Mixing



**100** Autoclear LV  
**50** Autoclear LV Hardener  
**10** Autoclear LV Reducer

*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  
HVLP max 0.6-0.7 bar at the air cap

# Autoclear LV

**FOR PROFESSIONAL USE ONLY**

## Application process & blending



Apply a medium closed coat, allowing for a 5-10 minutes flash-off & apply a full coat.  
Flash off time 5-10 minutes at 20°C before baking.

Recoat with itself within 24 hours  
For blending see TDS S8.01.01

## Pot-life

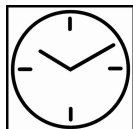
Autoclear LV

30 minutes

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 air temperature and object to reach 60°C.*



### Autoclear LV

20°C	Dust dry	45 minutes
	Dry to handle*	1 ½ hour
50°C	Dust dry	15 minutes
	Dry to handle*	30 minutes
60°C	Dust dry	10 minutes
	Dry to handle*	20 minutes

### \*Dry to handle

Following the drying cycle at 60°C object temperature, allow the Autoclear LV to cool down fully to ambient temperature.



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*

# Autoclear LV

**FOR PROFESSIONAL USE ONLY**

## Polishability



Dust and minor imperfections can be polished out after the stated air-dry times have been reached, or after a full bake cycle at 60°C object temperature.

*Ready to polish approximately 1 hour after cool down to ambient temperature.*

## Film thickness

	mils	µm
By using the recommended application:	1.7-2.4	45-60
<b>Theoretical coverage</b>		
Ready for use mixture at 1 µm layer thickness:	5622 sq.ft/liter	522 m <sup>2</sup> /liter

## Cleaning of equipment

Sikkens Solvents or solvent borne guncleaners

## VOC

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

## Product storage

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

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

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## 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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