

2K Ultra Air Clear




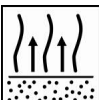


Clearcoats

14/10/2021

L1.05.29 UK & Ireland

DESCRIPTION

Two-pack, VOC compliant, ambient drying clearcoat showing excellent properties like an oven cured clearcoat. 2K Ultra Air Clear offers optimum application properties and easy blending. Fast ambient drying at a wide range of temperature or 5 min at 60°C, outstanding polishability.

Mixing ratio		100 100	2K Ultra Air Clear 2K Ultra Air Clear Hardener (Fast / Standard)		
Equipment		Spray gun set up: 1.2-1.3mm	Application pressure: 2.0-2.2 bar at the air inlet HVLP max 0.6-0.7 bar at the air cap		
Application		2 x 1 coat	One-stop application ½ + 1 coat		
Flash-off		Between coats 0-3 minutes at 20°C	Before curing 0-3 minutes at 20°C		
Drying		Hardener Standard Hardener Fast	20°C 40-60 min 35-55 min	40°C 30-55 min X	60°C 5 min 5 min
Protection		Use suitable respiratory protection Akzo Nobel Car Refinishes recommends the use of fresh air supply respirator			

Read complete technical data sheet for detailed product information

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PRODUCT AND ADDITIVES

Product 2K Ultra Air Clear

Hardener 2K Ultra Air Clear Hardener Fast / Standard

Chemical Basis	2K Ultra Air Clear	Polyaspartic resins
	2K Ultra Air Clear Hardener Fast / Standard	Poly-isocyanate resins

METHOD OF USE

Substrates Basecoat WB (GT) + 5% Hardener WB*

* In Case of three stage colors / pre-coat it is mandatory to add the advised amount of hardener to each of the coats.

Mixing ratio

14-20°C

100 2K Ultra Air Clear

100 2K Ultra Air Hardener Fast



20-30°C

100 2K Ultra Air Clear

100 2K Ultra Air Hardener Fast / Standard

Spraying viscosity 12-16 sec DIN Cup 4 at 20°C

Potlife 2K Ultra Air Clear + Hardener Fast : 20 minutes at 20°C
2K Ultra Air Clear + Hardener Std : 30 minutes at 20°C

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Spray gun set up



Spray gun:
Gravity feed

Fluid opening:
1.2-1.3 mm

Spraying pressure:
0.7 bar (at air cap)
1.7-2.2 bar (at air inlet)

Refer to user manual spray gun used

APPLICATION TECHNIQUE

Application



Apply two single coats, allowing to flash off for 0 to 3 minutes between coats or:

One-stop application: ½ + 1 coat

Apply a light closed coat followed by a full coat without any flash off time.

Layer thickness

45 – 60 microns

Equipment cleaning

Use Multi Thinners or nitro cellulose thinner

Drying



		20°C	40°C	60°C
2K Ultra Air Clear	Dust dry	20-30 min	15-35 min	x
2K Ultra Air Clear Hardener Standard	Dry to handle	40-60 min	30-55 min	5 min
2K Ultra Air Clear	Dust dry	15-25 min	x	x
2K Ultra Air Clear Hardener Fast	Dry to handle	35-55 min	x	5 min

Note that next to temperature, drying speed is dependent on the humidity levels. In general drying will be faster at a higher humidity level.

Increasing temperatures might lower the humidity and deter drying speed. Drying at humidity levels under 30% should be avoided as TDS drying times cannot be guaranteed.

Material usage

Ready for use mixture at 1 µm layer thickness :

494 m²/liter

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

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Polishability



Dust and minor damage can be polished out 15 minutes after the indicated-drying times.

Note: For an optimal result, polish within 3 hours after curing

Product storage

Avoid extreme temperature fluctuation and high humidity levels

Shelf life

Product shelflife : 1 year at 20°C

After opening the can, product shelflife is limited to 1 month at 20°C

VOC

2004/42/IIB(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. 420 g/litre.

Akzo Nobel Coatings LTD

Address: Unit 2B, Didcot Park
Churchward, Southmead Industrial Estate
Didcot, Oxfordshire, OX11 7HB
Tel: 00 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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Head Office
Akzo Nobel Car Refinishes B.V., PO Box 3 2170 BA Sassenheim, The Netherlands. www.Lesonal.com