

2K Titanium Clear

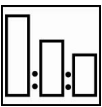



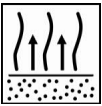


Clearcoats

28/02/2020

L1.05.21 UK & Ireland

DESCRIPTION

A complete 2 component clear system, which complies with the 420 g/l VOC limit in the EU legislation. 2K Titanium Clear, based on the latest patented breakthrough in binder technology, offers market-leading clearcoat performance including unbeatable drying speeds and outstanding through hardening with a unique combination of properties designed to increase the efficiency of your business.

Mixing ratio		3 3 1	2K Titanium Clear 2K Titanium Clear Hardener 2K Titanium Clear Thinner Fast / Slow
Mixing stick		T	
Equipment		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
Application		2 x 1 coat	
Flash-off		Between coats 3-5 minutes at 20°C	Before curing 3-5 minutes at 20°C
Drying		Thinner Fast Thinner Slow	40°C 60°C 30 minutes 15 minutes 45 minutes 30 minutes
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 Titanium Clear

Hardener 2K Titanium Clear Hardener

Thinner 2K Titanium Clear Thinner Fast
2K Titanium Clear Thinner Slow

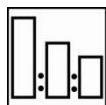
2K Titanium Clear Fade Out Agent

Chemical Basis	2K Titanium Clear 2K Titanium Clear Hardener	Polyol resins Polyisocyanate resins
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METHOD OF USE

Substrates Sanded OE Finishes
Basecoat WB GT

Mixing ratio



3 2K Titanium Clear
3 2K Titanium Clear Hardener
1 2K Titanium Clear Thinner Fast / Slow

Mixing stick T

Spraying viscosity	Thinner Fast / Slow	15 -17 sec. DIN Cup 4 at 20°C
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Potlife	2K Titanium Clear	with Thinner Fast :	90 minutes at 20°C
	2K Titanium Clear	with Thinner Slow :	2 hours at 20°C

Spray gun set up



Sanding

Spray gun:
HVLP Gravity
LVLP/HR Gravity

Fluid opening:

1.2-1.3 mm
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 a first light closed coat.
After 3-5 minutes flash off apply a flowing second coat.
Allow 3-5 minutes flash off before bake.

Note: Spraying without additional flash off is possible in case of larger repairs

Layer thickness 45 – 60 microns

Equipment cleaning Use Multi Thinners or nitro cellulose thinner

Drying



			20°C	40°C	60°C
2K Titanium Clear	Dust dry		25 min	10 min	5 min
Thinner Fast	Dry to polish		16 hrs	30 min	15 min
2K Titanium Clear	Dust dry		45 min	20 min	10 min
Thinner Slow	Dry to polish		16 hrs	45 min	30 min



Infrared short wave equipment	Half power	Full power
	4 min	8 min

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 the cool down of the object to ambient temperature.

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Material usage	Ready for use mixture at 1 μm layer thickness :	522 m ² /liter
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The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application method and application circumstances

Product storage	Avoid extreme temperature fluctuation and high humidity levels
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Shelf life	1 year at 20°C
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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.
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Ancillaries	2K Titanium Clear Fade Out Agent
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FOR PROFESSIONAL USE ONLY

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 fulfil 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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