

## TECHNICAL INFORMATION

### DYNACOAT CLEAR 3000 FAST ANTISCRATCH

#### — D1.05.23

Clear 3000 Fast Antiscratch is an extremely fast drying 2K clearcoat ideal for painting panels and smaller repairs. Speed and appearance are the key benefits. Designed for application in both spraybooth and non-draft spraybooth environments. Unlike other clearcoats in the market, Clear 3000 Fast Antiscratch is dust-dry in 5 minutes at 20°C and ready to polish after just 3 hours at 20°C. Exceptional speed with a glossy finish! It helps to improve your efficiency and productivity without making concessions as regards quality.

**MIXING RATIO**

2 Dynacoat Clear 3000 Fast Antiscratch  
 1 Dynacoat (Flexi) Hardeners Fast / Medium  
 10-20% Dynacoat Thinners / Extra Speed

**MIXING STICK**

Use Dynacoat mixing stick D1

**EQUIPMENT**

Spray gun set-up: 1.2-1.4mm  
 Application pressure: 1.7-2.2 bar at the air inlet\*

\*See user manual spray gun

**APPLICATION**

2 x 1 coat  
 First apply a flowing closed layer, followed by a full flowing layer

**FLASH-OFF**

3-5 minutes between coats  
 5-7 minutes before curing

**DRYING**

	<b>20°C</b>	<b>60°C</b>
Dynacoat (Flexi) Hardeners	2-3 hours	8 minutes

**PROTECTION**

Use suitable respiratory protection. AkzoNobel Vehicle Refinishes recommends the use of a fresh air supply respirator.

Read complete technical data sheet for detailed product information

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<b>PRODUCT AND ADDITIVES</b>	Dynacoat Clear 3000 Fast Antiscratch Dynacoat Hardener Fast Dynacoat Hardener Medium Dynacoat Flexi Hardener Fast Dynacoat Hardener Medium Dynacoat Thinner Fast Dynacoat Thinner Medium Dynacoat Extra Speed (refer to T.D.S D1.08.01) Dynacoat Clear Matt (refer to TDS D1.05.25)		
<b>BASIC RAW MATERIALS</b>	Dynacoat Clear 3000 Fast Antiscratch: Dynacoat (Flexi) Hardener:	acrylic resins poly-isocyanate resins	
<b>SUITABLE SUBSTRATES</b>	Waterborne / solventborne Basecoat Existing finishes		
<b>MIXING</b>	2 1 10-20% <i>Use mixing stick D1</i>	Dynacoat Clear 3000 Fast Antiscratch Dynacoat (Flexi) Hardeners Dynacoat Thinner/Extra Speed	
<b>VISCOSITY</b>	14-17 seconds DIN Cup 4 at 20°C		
<b>POTLIFE</b>	Thinners Extra Speed		3 hours at 20°C 3 hours at 20°C
<b>SPRAY GUN FLUID TIP AND WORKING PRESSURE</b>	<b>Spray gun:</b> Gravity feed:	<b>Fluid tip:</b> 1.2 - 1.4 mm	<b>Pressure:</b> 1.7 – 2.2 bar (see user manual spray gun) HVLP max 0.7 at air cap
<b>APPLICATION</b>	Apply a flowing closed layer, allowing for a 3-5 minutes flash-off time at 20°C. Next, apply a full flowing layer allowing for a 5-7 minutes flash-off time at 20°C before bake.		
<b>CLEANING OF EQUIPMENT</b>	Use Guncleaner, or nitrocellulose thinner		

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<b>FILM THICKNESS</b>	Per coat:	20-25 µm
	Recommended application (2 coats):	40-50 µm

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**DRYING TIMES**

	20°C		60°C	
	Dust dry	Dry to handle	Dust dry	Dry to handle
Hardener Fast	15 min	>2 hrs	3 min	10 min
Hardener Medium	17 min	>2 hrs	5 min	10 min
Flexi Hardener Fast + Extra Speed	10 min	1 h 45 m	5 min	12 min
Flexi Harder Fast	9 min	2 h30 m	4 min	8 min
Flexi Hardener Medium + Extra Speed	20 min	3 hrs	7 min	15 min
Flexi Hardener Medium	15 min	1 h 55 m	4 min	15 min

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<b>INFRA RED</b>	Dry to handle after	4 minutes low power	6 minutes high power
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<b>THEORETICAL COVERAGE</b>	Ready for use mixture at 1 µm layer thickness:	± 321 m <sup>2</sup> /liter
	<i>The practical coverage depends on many factors i.e. shape of the object, roughness of the surface, application method and application circumstances.</i>	

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<b>POLISHABILITY</b>	Ready to polish minimum 1 hour after cooling down to ambient temperature.
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<b>REDUCING GLOSS LEVEL</b>	For reducing the gloss level, refer to D1.05.25 - Dynacoat Clear Matt
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<b>PRODUCT STORAGE</b>	Product shelf-life is determined when products are stored unopened at 20°C. Avoid extreme temperature fluctuation.
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<b>SHELF LIFE</b>	2 years at 20°C.
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<b>VOC</b>	<p><b>2004/42/IIb(e)(840)600</b></p> <p>The EU limit value for this product (product category: IIB.e) in ready to use form is max. 840 g/liter of VOC.</p> <p>The VOC content of this product in ready to use form is 600 g/liter RTS mixture</p>
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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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