

## TECHNICAL INFORMATION

### DYNACOAT CLEAR 6000 ANTI SCRATCH

#### — D1.05.24

Dynacoat Clear 6000 HS AS is a top-class clearcoat with a fantastic appearance and flow characteristics and quick drying times. A product of choice for professional results. It is a multi-purpose clear that can be applied over waterborne and solventborne basecoats for small and large repairs in various conditions. Two layer application is sufficient for an excellent result. Clear 6000 HS AS is very easy to apply and to polish.

**MIXING RATIO**

2 Dynacoat Clear 6000 HS AS  
 1 Dynacoat Flexi Hardeners  
 10-20% Dynacoat Thinners / Extra Speed

**MIXING STICK**

Use Dynacoat mixing stick D1

**EQUIPMENT**

Spray gun set-up: 1.2-1.4 mm  
 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**

5-10 minutes between coats  
 5-10 minutes before curing

**DRYING**

	<b>20°C</b>	<b>60°C</b>
Dynacoat Flexi Hardener Fast	4 hours	15 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 6000 HS AS Dynacoat Flexi Hardener Fast Dynacoat Flexi Hardener Medium Dynacoat Flexi Hardener Slow Dynacoat Thinner Fast Dynacoat Thinner Medium Dynacoat Thinner Slow Dynacoat Extra Speed (refer to TDS D1.08.01) Dynacoat Clear Matt (refer to TDS D1.05.25)		
<b>BASIC RAW MATERIALS</b>	Dynacoat Clear 6000 HS AS: Dynacoat Flexi Hardener:	acrylic resins poly-isocyanate resins	
<b>SUITABLE SUBSTRATES</b>	Waterborne and solventborne basecoats Existing finishes		
<b>MIXING</b>	2 1 10-20% <i>Use mixing stick D1</i>	Dynacoat Clear 6000 HS AS Dynacoat Flexi Hardeners Dynacoat Thinners / Extra Speed	
<b>VISCOSITY</b>	15-18 seconds DIN Cup 4 at 20°C		
<b>POTLIFE</b>	Flexi Hardeners Flexi Hardener + Extra Speed		3 hours at 20°C 1 hour 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 5-10 minutes flash-off time at 20°C. (depends on hardener / thinner combination used) Next, apply a full flowing layer allowing for a 5-10 minutes flash-off time at 20°C before bake.  <i>*This time can be greatly influenced by the conditions at the time of application</i>		
<b>CLEANING OF EQUIPMENT</b>	Use Guncleaner, or nitrocellulose thinner		

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<b>FILM THICKNESS</b>	Per coat:	25-30 µm
	Recommended application (2 layer):	45-60 µm

**DRYING**

	20°C		60°C	
	Dust dry	Dry to handle	Dust dry	Dry to handle
Flexi Hardener Fast + Extra Speed	15 min	3 hrs	5 min	10 min
Flexi Harder Fast	15 min	4 hrs	5 min	15 min
Flexi Hardener Medium	45 min	6 hrs	5 min	35 min
Flexi Hardener Slow	45 min	10 hrs	10 min	45 min

<b>INFRA RED</b>	Dry to handle after	4 minutes low power	8 minutes high power
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<b>THEORETICAL COVERAGE</b>	Ready for use mixture at 1 µm layer thickness:	± 354 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>	

<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>	4 years at 20°C.
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<b>VOC</b>	<p><b>2004/42/IIb(e)(840)560</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 560g/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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