

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

	20°C	60°C
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

PRODUCT AND ADDITIVES	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)		
BASIC RAW MATERIALS	Dynacoat Clear 6000 HS AS:	acrylic resins	
	Dynacoat Flexi Hardener:	poly-isocyanate resins	
SUITABLE SUBSTRATES	Waterborne and solventborne basecoats Existing finishes		
MIXING	2	Dynacoat Clear 6000 HS AS	
	1	Dynacoat Flexi Hardeners	
	10-20%	Dynacoat Thinners / Extra Speed	
	<i>Use mixing stick D1</i>		
VISCOSITY	15-18 seconds DIN Cup 4 at 20°C		
POTLIFE	Flexi Hardeners		3 hours at 20°C
	Flexi Hardener + Extra Speed		1 hour at 20°C
SPRAY GUN FLUID TIP AND WORKING PRESSURE	Spray gun: Gravity feed:	Fluid tip: 1.2 - 1.4 mm	Pressure: 1.7 – 2.2 bar (see user manual spray gun) HVLP max 0.7 at air cap
APPLICATION	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>		
CLEANING OF EQUIPMENT	Use Guncleaner, or nitrocellulose thinner		

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FILM THICKNESS	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

INFRA RED	Dry to handle after	4 minutes low power	8 minutes high power
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THEORETICAL COVERAGE	Ready for use mixture at 1 µm layer thickness: ± 354 m²/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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POLISHABILITY	Ready to polish minimum 1 hour after cooling down to ambient temperature.
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REDUCING GLOSS LEVEL	For reducing the gloss level, refer to D1.05.25 - Dynacoat Clear Matt
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PRODUCT STORAGE	Product shelf-life is determined when products are stored unopened at 20°C. Avoid extreme temperature fluctuation.
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SHELF LIFE	4 years at 20°C.
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VOC	2004/42/IIb(e)(840)560 The EU limit value for this product (product category: IIB.e) in ready to use form is max. 840 g/liter of VOC. The VOC content of this product in ready to use form is 560g/liter RTS mixture.
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Akzo Nobel Car Refinishes B.V.
Address: Rijksweg 31, PO Box 3, 2170 BA Sassenheim
Tel: +31(0)71308-6944

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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Head Office

Akzo Nobel Car Refinishes B.V., PO Box 3, 2170 BA Sassenheim, The Netherlands. www.dynacoat.com