

## TECHNICAL INFORMATION

### DYNACOAT BASECOAT WATERBORNE MM

#### — D1.09.01 UK & Ireland

Dynacoat Basecoat Waterborne MM is designed to produce solid, pearl and metallic colors. It has excellent drying properties and can be used for small repairs up to complete resprays.



#### MIXING RATIO

RFU



#### EQUIPMENT

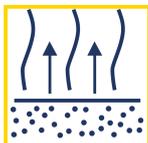
Spray gun set-up: 1.2 - 1.4 mm  
Application pressure: 1.7 - 2.0 bar at the air inlet\*

\*See user manual spray gun



#### APPLICATION

2 x 1 coat



#### FLASH-OFF

Until matt between coats  
15 minutes before clearcoat



#### RECOATABLE WITH

Dynacoat Clear 6000 HS AS  
Dynacoat Clear 9000  
Dynacoat Clear Matt  
Dynacoat Clear UHS Speed



#### 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 Basecoat Waterborne MM Dynacoat Activator Waterborne Dynacoat Additive Long Potlife		
<b>BASIC RAW MATERIALS</b>	Basecoat:	Physical drying binder	
<b>SURFACE PREPARATION</b>	Final sanding step P500 Initial sanding steps may be executed with a coarser sanding grit; P320 - P400		
<b>SUITABLE SUBSTRATES</b>	Existing finishes Dynacoat Filler 6100 Duo Dynacoat 4100 Filler 1K Primer Grey (small sanded through spots) Dynacoat 1K Plastics Primer  Note: Do not apply directly over Washprimers		
<b>MIXING</b>	RFU	Dynacoat Basecoat Waterborne MM  <b>Note</b> Addition of Activator Waterborne (5-10%) is possible to adjust the viscosity of light metallics or in case of dry conditions. All tinters should be gently shaken before mixing the formula Mixed colors must be stirred thoroughly after mixing For optimum straining use waterborne suitable paint strainers, size: 125µm	
<b>VISCOSITY</b>	20-30 seconds DIN Cup 4 at 20°C		
<b>POT-LIFE</b>	Solid and pearl colors:	3 months at 20°C	
	Metallic colors:	1 week at 20°C	
	Metallic colors containing tinter 7001:	1 day at 20°C	
	<b>Note:</b> Adding 5% of Additive Long Potlife increases potlife of metallics up to 3 months		
<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 – 2.0 bar (see user manual spray gun) HVLP max 0.7 at aircap

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#### APPLICATION

##### **Metallic and pearl colors:**

Apply one single coat, allow flash off until the coat is completely dried (matt). Apply a following lighter coat till covering is achieved. If necessary, finish with a mist coat by reducing the working pressure with 0.5 bar at the air inlet and increase the distance between spray-gun and object.

##### **Solid colors:**

Apply one full single coat. Allow flash off until the coat is completely matt. Apply another single coat and again allow this coat to flash off until matt, repeat until covering is achieved, a mist coat is not needed with solid colors.

##### **Spot and fade-out repair:**

Apply the basecoat in thin (overlapping) coats with the spray gun fully triggered at a spraying pressure of 1.5-1.8 bar until opacity is achieved. Allow to flash off until matt between coats, then fade out twice into remaining area (only metallic colors), using a spraying pressure of 1.5 – 1.8 bar

#### NOTES

- Metallic toners must be stirred thoroughly before using for the first time
- While making a spot repair, it's not necessary to tag-rag between coats.
- Apply a full coat of pure 7000 as a first coat for a better orientation of the metallic
- With metallic 50% of pure 7000 can be added to the final (drop)coat
- Do not apply to heavy coats while making a spot repair
- Dynacoat Basecoat Waterborne MM is in principle ready for use.
- Addition of Activator Waterborne (5-10%) is possible for:
  - avoiding overspray while painting larger objects
  - painting in warm and/or dry conditions (low RH)
- Mixed colors must be stirred thoroughly directly after mixing, prior adding Activator
- If a pure Basecoat Waterborne metallic mixing color will be applied, always add Basecoat Waterborne tinter 7000 in a mixing ratio 1:4 (1part Metallic :4 parts 7000)
- Adding 5% of Additive Long Potlife increases potlife of metallics up to 3 months
- Clean spray gun with waterborne Guncleaner directly after use

Following clearcoats can be applied after a minimum drying time of 15 minutes, but within 24 hours:

Dynacoat Clear 6000 AS  
 Dynacoat Clear 9000  
 Dynacoat Clear Matt  
 Dynacoat Clear UHS Speed

*Working time can be reduced by acceleration of the air speed, by using dry-jets.*

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<b>CLEANING OF EQUIPMENT</b>	Use waterborne Gun Cleaner	
<b>FILM THICKNESS</b>	Per coat:	10-20 µm
	Recommended application (2 coats):	20-30 µm
<b>THEORETICAL COVERAGE</b>	Ready for use mixture at 1 µm dry film thickness	60-80 m <sup>2</sup> /litre
	<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>RECOAT TIME</b>	After 15 minutes and within 24 hours at 20°C	
<b>RECOATABILITY</b>	Dynacoat Clear 6000 AS Dynacoat Clear 9000 Dynacoat Clear Matt Dynacoat Clear UHS Speed	
<b>PRODUCT STORAGE</b>	Product shelf-life is determined when products are stored unopened at 20°C. Avoid extreme temperature fluctuation.	
<b>SHELF LIFE</b>	Basecoat WB MM toners:	48 months at 20°C
	Except MM toners: 7101, 7144, 7221, 7435	12 months at 20°C
	7102, 7231, 7434, 7452, 7676	18 months at 20°C
	7000, 7001, 7100, 7221, 7233, 7234, 7235, 7239, 7346, 7431, 7436, 7545, 7622, 7651, 7658, 7723, 7725, 7766, 7903, 7920, 7924, 7947, 7968	24 months at 20°C
	7145, 7160, 7322, 7459, 7565, 7653, 7801, 7802, 7803, 7804, 7805, 7806, 7841	36 months at 20°C
<b>VOC</b>	<b>2004/42/IIb(D)(420)400</b> The EU limit value for this product (product category: IIb.D) in ready to use form is max. 420 g/litre VOC. The VOC content of this product in ready to use form is max. 400 g/litre	

**TECHNICAL INFORMATION  
DYNACOAT BASECOAT WATERBORNE MM  
— D1.09.01 UK & Ireland****Akzo Nobel Coatings LTD**

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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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