

Dynacoat Clear Matt is a matt clearcoat that can be used either on its own or mixed with one of the Dynacoat Clearcoats mentioned below to obtain the required gloss level. Clear Matt is a very easy to apply matt clearcoat. Various Dynacoat Hardeners and thinners/activators are available to adjust the clear to different application conditions and the regional VOC legislation.


**MIXING RATIO CLEAR MATT**

2 Dynacoat Clear Matt  
 1 Dynacoat Flexi Hardener Medium / Slow  
 10% Dynacoat Thinner Fast / Medium / Slow


**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**

5-10 minutes between coats  
 10-15 minutes before curing


**DRYING**

	<b>20°C</b>	<b>60°C</b>
Dynacoat Flexi Hardener	6-7 hours	20-25 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

**MIXING RATIO CLEAR 8000**

- 2 Dynacoat Clear Matt mixed with Clear 8000
- 1 Dynacoat Hardener Clear 8000
- 10% Dynacoat Clear 8000 Thinner / 8000 Thinner Slow / Thinner Clear Slow

**MIXING RATIO CLEAR 9000**

- 2 Dynacoat Clear Matt mixed with Clear 9000
- 1 Dynacoat Hardener 420
- 10% Dynacoat Thinner 420 / Thinner 420 Slow / Thinner Clear Slow

**MIXING RATIO CLEAR 3000 AS / 6000 HS AS**

- 2 Dynacoat Clear Matt mixed with Clear 3000 HS / 6000HS AS
- 1 Dynacoat Flexi Hardener Medium / Slow
- 10% Dynacoat Thinner Fast / Medium / Slow

**MIXING RATIO CLEAR UHS Speed / UHS Air**

- 2 Dynacoat Clear Matt mixed with Clear UHS Speed / UHS Air
- 1 Dynacoat Hardener UHS
- 10% Dynacoat Thinner UHS Fast / Standard

**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**

5-10 minutes between coats  
10-15 minutes before curing

# TECHNICAL INFORMATION

## DYNACOAT CLEAR MATT

### — D1.05.25

**DRYING**

Clear 3000 Fast AS  
 Clear 6000 HS AS  
 Clear 8000  
 Clear 9000

Clear UHS Speed

Clear UHS Air

**20°C**

3 hours

4 hours

8 hours

3 hours

3 hours

4 hours

**60°C**

15-18 minutes

20-30 minutes

30-45 minutes

30-45 minutes

10-15 minutes

20 minutes

**PROTECTION**

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

#### PRODUCT AND ADDITIVES

Dynacoat Clear Matt  
 Dynacoat Flexi Hardener Medium / Slow  
 Dynacoat Hardener Clear 8000  
 Dynacoat Hardener 420  
 Dynacoat Hardener UHS  
 Dynacoat Thinner Fast / Medium / Slow  
 Dynacoat Thinners Clear  
 Dynacoat Thinners 420  
 Dynacoat Thinner UHS Fast / Standard

#### BASIC RAW MATERIALS

Dynacoat Clear Matt: polyol resins  
 Dynacoat Hardeners: poly-isocyanate resins

#### SUITABLE SUBSTRATES

Waterborne and solventborne basecoats  
 Existing finishes

#### MIXING

The following gloss levels can be achieved by mixing Dynacoat Clear Matt with Dynacoat Clear 3000AS or Clear 6000 HS AS.  
 This table is a guideline for the different gloss levels.  
 It is advised to spray a test panel to check the gloss level, as the result may be influenced by:  
 a) the layer thickness applied  
 b) the drying conditions

	Gloss Units
<b>Matt finish</b>	
100% Dynacoat Clear Matt	± 10 - 20
<b>Eggshell finish (v/v)</b>	
4 Dynacoat Clear Matt 1 Dynacoat Clear 3000 Fast AS / 6000 HS AS	± 30 - 40
<b>Semi-gloss finish (v/v)</b>	
3 Dynacoat Clear Matt 2 Dynacoat Clear 3000 Fast AS / 6000 HS AS	± 50 - 70
1 Dynacoat Clear Matt 1 Dynacoat Clear 3000 Fast AS / 6000 HS AS	± 70 - 80

2 Dynacoat Clear Matt 100% or mixed with Clear 3000AS / 6000HS AS  
 1 Dynacoat Flexi Hardener Medium / Slow  
 10% Dynacoat Thinner Fast / Medium / Slow

Use Mixing stick D1

# TECHNICAL INFORMATION

## DYNACOAT CLEAR MATT

### — D1.05.25

#### MIXING

The following gloss levels can be achieved by mixing Dynacoat Clear Matt with Dynacoat Clear 8000 / Clear 9000.

This table is a guideline for the different gloss levels.

It is advised to spray a test panel to check the gloss level, as the result may be influenced by:

- a) the layer thickness applied
- b) the drying conditions

Matt finish	Gloss Units
100% Dynacoat Clear Matt	± 10 – 20
<b>Eggshell finish (v/v)</b>	
4 Dynacoat Clear Matt	± 35 - 45
1 Dynacoat Clear 8000 / 9000 / UHS Speed / UHS Air	
<b>Semi-gloss finish (v/v)</b>	
3 Dynacoat Clear Matt	± 60 – 75
2 Dynacoat Clear 8000 / 9000 / UHS Speed / UHS Air	

- 2 Dynacoat Clear Matt mixed with Clear 8000\*
- 1 Hardener Clear 8000
- 10% Thinner Clear 8000/ Clear 8000 Thinner Slow / Thinner Clear Slow
- \* 3:1:1 if only Dynacoat Clear Matt is used with Hardener Clear 8000**

Use Mixing stick D1

- 2 Dynacoat Clear Matt mixed with Clear 9000\*
- 1 Hardener 420
- 10% Dynacoat Thinner 420 / Thinner 420 Slow / Thinner Clear Slow
- \* 3:1:1 if only Dynacoat Clear Matt is used with Hardener 420**

Use Mixing stick D1

- 2 Dynacoat Clear Matt mixed with Clear UHS Speed\*
- 1 Hardener UHS
- 10% Thinner UHS Fast / Thinner UHS Standard
- \* 3:1:1 if only Dynacoat Clear Matt is used with Hardener UHS**

Use Mixing stick D1

- 2 Dynacoat Clear Matt mixed with Clear UHS Air\*
- 1 Hardener UHS
- 10% Thinner UHS Fast / Thinner UHS Standard
- \* 3:1:1 if only Dynacoat Clear Matt is used with Hardener UHS**

Use Mixing stick D1

#### VISCOSITY

13-18 seconds DIN Cup 4 at 20°C

# TECHNICAL INFORMATION

## DYNACOAT CLEAR MATT

### — D1.05.25

**POTLIFE****A component / mixture Clear/Hardener used**

Dynacoat Flexi Hardeners

2-3 hours at 20°C

Hardener Clear 8000 / Hardener 420

30-45 minutes at 20°C

Hardener UHS

45 min – 3 hrs 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.  
(flash off time depends

on hardener / thinner combination used)

Next, apply a full flowing layer allowing for a 10-15 minutes flash-off time at 20°C before  
bake.

*\*This time can be greatly influenced by the conditions at the time of application*

**CLEANING OF  
EQUIPMENT**

Use solvent based Guncleaner, or nitrocellulose thinner

**FILM THICKNESS**

Per coat:

25-30 µm

Recommended application (2 layer):

45-60 µm

**DRYING**

	Dry to handle	
	20°C	60°C
Flexi Hardener Medium	6 hrs	20 min
Flexi Hardener Slow	7 hrs	30 min

**IR DRYING**

Dry to handle after

4 minutes low power

8 minutes high power

**THEORETICAL  
COVERAGE**

Ready for use mixture at 1 µm layer thickness:

± 367 m²/liter

*The practical coverage depends on many factors i.e. shape of the object, roughness of  
the surface, application method and application circumstances.*

**PRODUCT  
STORAGE**

Product shelf-life is determined when products are stored unopened at 20°C.

Avoid extreme temperature fluctuation.

**SHELF LIFE** 4 years at 20°C.

---

**VOC** **2004/42/IIb(e)(840)600**  
 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 (100% Dynacoat Clear Matt) in ready to use form is max. 600 g/liter RTS mixture

---



---

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.

Coatings brand names mentioned in this data sheet are trademarks of or are licensed to Akzo Nobel.

Head Office

Akzo Nobel Car Refinishes B.V., PO Box 3, 2170 BA Sassenheim, The Netherlands. [www.dynacoat.com](http://www.dynacoat.com)