

Technical Information

Wanda 830 Clear Matt —W1.05.09



A matt clearcoat that can be used individually or in combination with other Wanda clearcoats to obtain the required gloss level. Wanda 830 Clear Matt can also be used over waterborne and solventborne basecoats such as Wandabase WB or Wandabase Max. Various Wanda hardeners and thinners are available to adjust the clear to different application conditions and the regional VOC legislation.



Mixing ratio

2: 830 Clear Matt
1: 300 Hardener Slow / 310 Hardener Standard
10% 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid



Mixing stick

Use Wanda measuring stick
W2



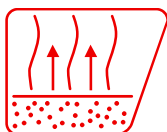
Equipment

Spray gun set-up: 1.2-1.4 mm
Application pressure: 1.7-2.2 bar
*See user manual spray gun



Application

2 x 1 coat



Flash-off

Between coats: 5-10 minutes
Before curing: 10-15 minutes



Drying

310 Hardener Standard:

20°C

2-3 hours

60°C

20-25 minutes*

*object temperature



Protection

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

Technical Information

Wanda 830 Clear Matt

—W1.05.09



Product and additives

830 Clear Matt
 300 Hardener Slow
 310 Hardener Standard
 330 Hardener HS
 100 Thinner Slow
 110 Thinner Standard
 120 Thinner Rapid
 130 Thinner HT
 140 Thinner HS

Basic Raw Materials

830 Clear Matt: Polyol resins
 Hardener: Poly-isocyanate resins

Suitable substrates

OEM Finishes
 waterborne basecoats
 solventborne basecoats

Mixing Ratio

830 Clear Matt

2: 830 Clear Matt
 1: 300 Hardener Slow / 310 Hardener Standard
 10%: 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid

Use measuring stick **W2**

Viscosity

13-18 seconds DIN Cup 4 at 20°C

Potlife

2-3 hours at 20°C

Technical Information

Wanda 830 Clear Matt

—W1.05.09



830 Clear Matt with 800 Clear VHS

Mixing Ratio

Matt finish (15-25 gloss units)

- 3: 830 Clear Matt
- 1: 330 Hardener HS
- 1: 130 Thinner HT/ 140 Thinner HS

Use measuring stick

Eggshell finish (35-45 gloss units)

- 2: 830 Clear Matt : 800 Clear VHS (4:1) v/v
- 1: 330 Hardener HS
- 10%: 130 Thinner HT/ 140 Thinner HS

Semi-gloss finish (60-75 gloss units)

- 2: 830 Clear Matt : 800 Clear VHS (3:2) v/v
- 1: 330 Hardener HS
- 10%: 130 Thinner HT/ 140 Thinner HS

Use measuring stick **W2**

It is advised to spray a test panel to check the gloss level obtained as the result may be influenced by the layer thickness applied and / or the drying conditions

830 Clear Matt with 810 Clear AS

Mixing Ratio

Matt finish (15-25 gloss units)

- 2: 830 Clear Matt
- 1: 300 Hardener Slow / 310 Hardener Standard
- 10%: 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid

Eggshell finish (35-45 gloss units)

- 2: 830 Clear Matt : 810 Clear AS (4:1) v/v
- 1: 300 Hardener Slow / 310 Hardener Standard
- 10%: 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid

Semi-gloss finish (50-75 gloss units)

- 2: 830 Clear Matt : 810 Clear AS (3:2) v/v
- 1: 300 Hardener Slow / 310 Hardener Standard
- 10%: 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid

Semi-gloss finish (70-85 gloss units)

- 2: 830 Clear Matt : 810 Clear AS (1:1) v/v
- 1: 300 Hardener Slow / 310 Hardener Standard
- 10%: 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid

Use measuring stick **W2**

It is advised to spray a test panel to check the gloss level obtained as the result may be influenced by the layer thickness applied and / or the drying conditions

Technical Information

Wanda 830 Clear Matt

—W1.05.09



830 Clear Matt with 820 Clear AS Express

Mixing Ratio	Matt finish (15-25 gloss units)
	2: 830 Clear Matt
	1: 300 Hardener Slow / 310 Hardener Standard
	10%: 100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid
Eggshell finish (35-45 gloss units)	
2:	830 Clear Matt : 820 Clear AS Express (4:1) v/v
1:	300 Hardener Slow / 310 Hardener Standard
10%:	100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid
Semi-gloss finish (50-75 gloss units)	
2:	830 Clear Matt : 820 Clear AS Express (3:2) v/v
1:	300 Hardener Slow / 310 Hardener Standard
10%:	100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid
Semi-gloss finish (70-85 gloss units)	
2:	830 Clear Matt : 820 Clear AS Express (1:1) v/v
1:	300 Hardener Slow / 310 Hardener Standard
10%:	100 Thinner Slow / 110 Thinner Standard / 120 Thinner Rapid

Use measuring stick **W2**

It is advised to spray a test panel to check the gloss level obtained as the result may be influenced by the layer thickness applied and / or the drying conditions

830 Clear Matt with 840 Clear VHS Slow

Mixing Ratio	Matt finish (15-25 gloss units)
	3: 830 Clear Matt
	1: 330 Hardener HS
	1: 130 Thinner HT/ 140 Thinner HS
Eggshell finish (35-45 gloss units)	
2:	830 Clear Matt : 840 Clear VHS Slow (4:1) v/v
1:	330 Hardener HS
10%:	130 Thinner HT/ 140 Thinner HS
Semi-gloss finish (60-70 gloss units)	
2:	830 Clear Matt : 840 Clear VHS Slow (3:2) v/v
1:	330 Hardener HS
10%:	130 Thinner HT/ 140 Thinner HS

Use measuring stick **W2**

It is advised to spray a test panel to check the gloss level obtained as the result may be influenced by the layer thickness applied and / or the drying conditions

Technical Information

Wanda 830 Clear Matt

—W1.05.09



Potlife	Clear 830 Matt / Clear 800 VHS mixtures:	30 minutes-3 hours at 20°C
	Clear 830 Matt / Clear 810 AS mixtures:	3 hours at 20°C
	Clear 830 Matt / Clear 820 AS Express mixtures:	3 hours at 20°C
	Clear 830 Matt / Clear 840 VHS Slow mixtures:	45 minutes-3 hours at 20°C

Spray gun set up and application pressure	Fluid tip	Pressure
	Gravity feed	1.2-1.4 mm 1.7-2.2 bar* HVLP max 0.7 at air cap

*See user manual spray gun used

Application	Apply a flowing closed coat, allowing for a 5-10 minutes flash-off time at 20°C. Next, apply a full flowing layer allowing for a 10-15* minutes flash-off time at 20°C before bake.
--------------------	--

Cleaning of equipment	Use Wandabase Guncleaner
------------------------------	--------------------------

Film thickness	Recommended application (2 coats)	40-50 µm
-----------------------	-----------------------------------	----------

Theoretical cover rate	Ready for use mixture at 1 micron layer thickness: ± 496 m ² /liter
	Note: The practical coverage depends on several factors, including shape of the construction, roughness of surface, method of application being used and conditions of application

Product storage	Avoid extreme temperature fluctuations.
------------------------	---

Shelf life	Product shelf-life is determined when products are stored unopened 830 Clear Matt: 4 years at 20°C.
-------------------	--

VOC	2004/42/II B(e)(840)600
	The EU limit value for this product (product category: IIB.e) in ready to use form is max. 840 g/liter VOC. The VOC content of this product in ready to use form is max. 600 g/liter.

Akzo Nobel Car Refinishes B.V.
Address: Rijksstraatweg 31, PO Box 3, 2170 BA Sassenheim
Tel: +31(0)71308-6944

FOR PROFESSIONAL USE WITH SUITABLE HS&E EQUIPMENT

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 fulfill 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 AkzoNobel.

Head Office

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