

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 such as Wandabase WB or Wandabase Max. Various Wanda Hardeners and thinners/activators are available to adjust the clear to different application conditions and the regional VOC legislation.



Mixing ratio 830 Clear Matt

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

*Please see mixing-table on the following pages



Mixing stick

Use Wanda measuring stick

W2-W3



Equipment

Spray gun set-up: 1.2-1.4 mm
Application pressure: 1.7-2.2 bar*

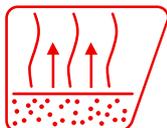
*See user manual spraygun used



Application

2 x 1 coat

First, apply a flowing closed coat, followed by a full flowing coat after indicated flash off time.



Flash-off

Between coats: 5-10 minutes at 20°C

Before curing: 10-15 minutes at 20°C



Drying

Wanda 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



Mixtures with different Clearcoats

Wanda 800 Clear VHS With 830 Clear Matt

Mixing ratio

- 2: Wanda 830 Clear Matt with 800 Clear VHS
 1: Wanda 330 Hardener HS
 10% Wanda 140 Thinner HS/ 130 Thinner HT

***Please see mixing-table on the following pages**



The following gloss levels can be achieved by mixing Clear matt with **800 Clear VHS** This table can be used as a guideline for the different gloss levels. We advise to spray a test panel to check the gloss level obtained as the final result may be influenced by:

- the layer thickness applied
- the drying conditions

| Matt finish | Mixing Ratio 3 : 1 : 1 | Gloss Units |
|---|--------------------------|-------------|
| 100% Wanda 830 Clear Matt | | +/-15 – 25 |
| Eggshell finish | Mixing Ratio 2 : 1 : 10% | |
| 4 volumes - Wanda 830 Clear Matt 1 volumes - 800 Clear VHS | | +/-35 - 45 |
| Semi-gloss finish | Mixing Ratio 2 : 1 : 10% | |
| 3 volumes - Wanda 830 Clear Matt 2 volumes - 800 Clear VHS | | +/-60 – 75 |



Drying *
800 Clear VHS

20°C
3 hours

60°C
30-45 minutes

Technical Information

Wanda 830 Clear Matt

—W1.05.09



Wanda 810 Clear AS with 830 Clear Matt

Mixing ratio

- 2: Wanda 830 Clear Matt with 810 Clear AS*
- 1: Wanda 310 Hardener Standard/300 Hardener Slow
- 10% Wanda 100 Slow/110 Standard/120 Rapid

*Please see mixing-table on the following pages



The following gloss levels can be achieved by mixing Clear matt with **810 Clear AS** .
This table can be used as a guideline for the different gloss levels. We advise to spray a test panel to check the gloss level obtained as the final result may be influenced by:

- the layer thickness applied
- the drying conditions

| Matt finish | Mixing Ratio 2 : 1 : 10% | Gloss Units |
|--|--------------------------|-------------|
| 100% Wanda 830 Clear Matt | | +/-10 - 20 |
| Eggshell finish | Mixing Ratio 2 : 1 : 10% | |
| 4 volumes - Wanda 830 Clear Matt 1 volumes - Wanda 810 Clear AS | | +/-30 - 45 |
| Semi-gloss finish | Mixing Ratio 2 : 1 : 10% | |
| 3 volumes - Wanda 830 Clear Matt 2 volumes - Wanda 810 Clear AS | | +/-50 - 75 |
| 1 volumes - Wanda 830 Clear Matt 1 volumes - Wanda 810 Clear AS | | +/-70 - 85 |



Drying *
810 Clear AS

20°C
4 hours

60°C
20-30 minutes

Technical Information

Wanda 830 Clear Matt

—W1.05.09



Wanda 820 Clear AS Express with 830 Clear Matt

Mixing ratio

- 2: Wanda 830 Clear Matt or mixed 820 Clear AS Express *
- 1: Wanda 310 Hardener Standard / 300 Hardener Slow
- 10% Wanda Thinners 100 Slow / 110 Standard / 120 Rapid

*Please see mixing-table on the following pages



The following gloss levels can be achieved by mixing Clear matt with 840 Clear VHS Slow .
This table can be used as a guideline for the different gloss levels. We advise to spray a test panel to check the gloss level obtained as the final result may be influenced by:

- the layer thickness applied
- the drying conditions

| Matt finish | Mixing Ratio 2 : 1 : 10% | Gloss Units |
|--|--------------------------|-------------|
| 100% Wanda 830 Clear Matt | | +/-10 - 20 |
| Eggshell finish | Mixing Ratio 2 : 1 : 10% | |
| 4 volumes - Wanda 830 Clear Matt 1 volumes - Wanda 840 Clear VHS Slow | | +/-30 - 40 |
| Semi-gloss finish | Mixing Ratio 2 : 1 : 10% | |
| 3 volumes - Wanda 830 Clear Matt 2 volumes - Wanda 840 Clear VHS Slow | | +/-50 - 75 |
| 1 volumes - Wanda 830 Clear Matt 1 volumes - Wanda 840 Clear VHS Slow | | +/-70 - 85 |



Drying *
820 Clear AS Express

20°C
3 hours

60°C
15-18 minutes

Technical Information

Wanda 830 Clear Matt

—W1.05.09



Wanda 840 Clear VHS Slow with 830 Clear Matt

Mixing ratio

- 2: Wanda 830 Clear Matt mixed with 840 Clear VHS Slow *
- 1: Wanda 330 Hardener HS
- 10% Wanda 140 Thinner HS / 130 Thinner HT

*Please see mixing-table on the following page



The following gloss levels can be achieved by mixing Wanda 830 Clear Matt with Wanda Wanda 840 Clear VHS Slow. This table can be used as a guideline for the different gloss levels. We advise to spray a test panel to check the gloss level obtained as the final result may be influenced by:

- the layer thickness applied
- the drying conditions

| Matt finish | Mixing Ratio 2 : 1 : 10% | Gloss Units |
|--|--------------------------|-------------|
| 100% Wanda 830 Clear Matt | | +/-10 - 20 |
| Eggshell finish | Mixing Ratio 2 : 1 : 10% | |
| 4 volumes - Wanda 830 Clear Matt 1 volumes - Wanda 840 Clear VHS Slow | | +/-35 - 45 |
| Semi-gloss finish | Mixing Ratio 2 : 1 : 10% | |
| 3 volumes - Wanda 830 Clear Matt 2 volumes - Wanda 840 Clear VHS Slow | | +/-60 - 70 |



Drying *
840 Clear VHS Slow

20°C
6 hours

60°C
30-45 minutes

Technical Information

Wanda 830 Clear Matt

—W1.05.09



| | | | |
|--|--|-------------------|--------------|
| Suitable substrates | Waterborne and Solventborne Basecoats Hard dry sanded OEM Finishes | | |
| Spray gun set up and application pressure | Gravity feed | 1.2-1.4 mm | 1.7-2.2 bar* |
| | *See user manual spraygun used | | |
| Application | Apply a flowing closed coat, 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 | | |
| Pot-life | For 100% Clear 830 Matt | 2-3 hours at 20°C | |
| | For mixes with other clearcoats check TDS clearcoat | | |
| Cleaning of the equipment | Use Solventborne Guncleaner, or nitrocellulose thinner | | |
| Film thickness | Per coat | 20-25 µm | |
| | Recommended application (2 coats) | 40-50 µm | |
| Theoretical cover rate | 5.5 m ² / liter per coat. | | |
| | 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 | | |
| Shelf life | Product shelf-life is determined when products are stored unopened at 20°C. Avoid extreme temperature fluctuation. Shelf life Wanda 830 Clear Matt: 4 years at 20°C. | | |
| VOC | The VOC content of this product (100% Wanda 830 Clear Matt) in ready to use form is max. 600 g/liter RTS mixture | | |

Technical Information

Wanda 830 Clear Matt

—W1.05.09



Akzo Nobel Car Refinishes B.V.
Address: Rijksstraatweg 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 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