

# Technical Information

## Wanda 2:1 2K Clear Universal

W1.05.14 APAC 24 Nov 2017



Two component polyurethane Clearcoat suitable over Wanda basecoat. Recommended for all types of repairs and most application conditions. Delivers excellent durability and high gloss.



### Mixing Ratio

100 Wanda 2:1 2K Clearcoat Universal  
50 2K Hardener Fast/Standard/Slow  
10% Wanda 2K Thinner



### Equipment

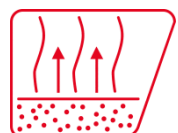
Spray gun: Gravity Feed  
Application pressure: 1.7-2.2 bar at the air inlet

Fluid Tip: 1.2-1.4 mm



### Application

2 x 1 coat  
First apply a medium closed coat, next apply a full coat after indicated flash off time



### Flash-off

5-10 mins between coats at 20°C

8-12 mins before curing at 60°C



### Drying times

#### Dust Dry

|                   | 25°C       | 60°C       |
|-------------------|------------|------------|
| Hardener Fast     | 13 minutes | 9 minutes  |
| Hardener Standard | 15 minutes | 10 minutes |
| Hardener Slow     | 20 minutes | 16 minutes |

#### Dry to handle

|                   | 25°C      | 60°C       |
|-------------------|-----------|------------|
| Hardener Fast     | 7 hours   | 32 minutes |
| Hardener Standard | 7.5 hours | 42 minutes |
| Hardener Slow     | 13 hours  | 50 minutes |



### Protection

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


Read complete TDS for detailed product information

# Technical Information

## Wanda 2:1 2K Clear Universal

W1.05.14 APAC 24 Nov 2017



|   |  |  |   |  |
|---|--|--|---|--|
| Product and additives   | Product  | Wanda 2:1 2K Clearcoat Universal   |   |  |
|   | Hardener   | Wanda 2K Hardener Fast<br>Wanda 2K Hardener Standard<br>Wanda 2K Hardener Slow |   |  |
|   |  |  |   |  |
| Basic raw materials   | Wanda 2:1 2K Clearcoat Universal Acrylic Polypol resins<br>Wanda Hardener – Poly-isocyanate resins   |  |   |  |
| Suitable substrates   | Can be applied directly on flashed off Wanda Basecoat or well prepared and thoroughly degreased hardened old topcoats (sanded with P800-P1000 wet or P400-P500 dry).   |  |   |  |
|  | Mixing Ratio   |  |   |  |
|   | 100  | Wanda 2:1 2K Clearcoat Universal   |   |  |
|   | 50   | Hardener Fast/Standard/Slow  |   |  |
| Viscosity   | DIN cup #4 15-16 seconds at 20°C.  |  |   |  |
| Pot life  | 4 hrs at 20°C using Wanda Hardener Fast<br>5 hrs at 20°C using Wanda Hardener Standard<br>5.5 hrs at 20°C using Wanda Hardener Slow  |  |   |  |
| Spray gun set-up and application pressure   | Gravity feed   | 1.2-1.4 mm   | 1.7-2.2 bar at the spray gun air inlet<br>HVLP max 0.6-0.7 bar at the air cap |  |
| Application   | Apply two single coats, allowing for 5 to 10 minutes flash-off time at 20°C between coats.<br>Allow for 8 to 12 minutes flash-off time at 20°C before baking. Flash-off between coats; in case of application to larger areas, flash off between coats is minimal. Recoatable with itself after full drying cycle, sanding becomes necessary after 24 hours. |  |   |  |
| Film thickness  | 40-50 µm by using recommended application  |  |   |  |
| Drying times  | Dust Dry   | 25°C   | 60°C  |  |
|   | Hardener Fast  | 13 minutes   | 9 minutes   |  |
|   | Hardener Standard  | 15 minutes   | 10 minutes  |  |
|   | Hardener Slow  | 20 minutes   | 16 minutes  |  |
|   | Dry to handle  | 25°C   | 60°C  |  |
|   | Hardener Fast  | 7 hours  | 32 minutes  |  |
|   | Hardener Standard  | 7.5 hours  | 42 minutes  |  |
|   | Hardener Slow  | 13 hours   | 50 minutes  |  |

## Technical Information

### Wanda 2:1 2K Clear Universal W1.05.14 APAC 24 Nov 2017



Approximately 6.5-8 m<sup>2</sup>/litre RTS mixture.

#### Theoretical coverage

##### 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.

#### Cleaning of equipment

Solvent borne guncleaners

#### Packaging

5 litre, 1 litre.

#### Shelf life

At temperature between 5°C and 35°C  
Wanda 2K Clearcoat Universal - 24 months  
Wanda Hardeners - 12 months  
Wanda Thinners - 48 months

**Akzo Nobel Car Refinishes (Singapore) Pte Ltd**

**Address: 3 Changi Business Park Vista, #05-01 Akzo Nobel House, Singapore 486051**

**Tel: +65 6635 5262**

#### 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.

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

#### Head Office

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