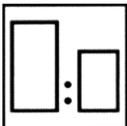
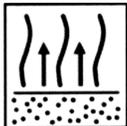


	North America	Technical Data Sheet
	Wanda 8100 2K Clearcoat	
	Clearcoat 02/28/2017	
FOR PROFESSIONAL USE ONLY		

Description

Wanda 8100 2K Clear is a polyurethane clearcoat used as a topcoat over Wandabase HS Basecoat. Wanda 8100 2K Clearcoat offers excellent application, fast dry, great gloss and good durability. It can be used for spot repairs and total resprays.

	Safety Considerations Use suitable personal protection. AkzoNobel recommends the use of a fresh air supply respirator. Refer to the product Safety Data Sheet (SDS) for more complete safety information.		
	4 1	Mixing Wanda 8100 2K Clearcoat Wanda 2K Hardener Standard, Hardener Slow or Hardener Extra Slow	
	HVLP or Compliant Spray-Gun Set-Up: 1.3-1.6 mm	Application Air Pressure: Consult spray gun manufacturers' specifications. HVLP – 10 psi at the air cap maximum. 40-56 psi at spray gun air inlet	
	Application 2-3 single coats Apply 2-3 medium coats, allowing flash off time between coats		
	Flash Between Coats at 70°F (21°C) 5-10 minutes	Flash Before Force Drying at 70°F (21°C) 0-5 minutes	
	Hardener Selection	70°F (21°C)	140°F (60°C)
	2K Hardener Standard	8-16 hours	25 minutes
	2K Hardener Standard Accelerated	2 hours	Not Recommended
	2K Hardener Slow	10-18 hours	30 minutes
	2K Hardener Very Slow	10-18 hours	30 minutes

Read complete TDS for detailed product information.

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	Wanda 8100 2K Clearcoat	
	Clearcoat 02/28/2017	
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Description

Wanda 8100 2K Clear is a polyurethane clearcoat used as a topcoat over Wandabase HS Basecoat. Wanda 8100 2K Clearcoat offers excellent application, fast dry, great gloss and good durability. It can be used for spot repairs and total resprays.

Suitable Substrates

- Wandabase HS Basecoat
 - After a minimum flash off time of 15-20 minutes at 70°F (21°C)
 - Wandabase HS should not be sanded before clearcoat application
- Existing finishes that are thoroughly prepared, in the case of spot repairs and blending.

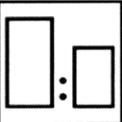
Products and Additives

Product	Wanda 8100 2K Clear	Item #500200 Item #500201
Hardeners	Wanda 2K Hardener Standard - A faster hardener for small repair areas and the sides of vehicles	Item # 391714
	Wanda 2K Hardener Slow - A general purpose hardener for all repair sizes	Item #391712
	Wanda 2K Hardener Very Slow - An extra slow hardener for large repairs and very high temperatures	Item #397741
Additives	Sikkens Extra Top Up to ½ ounce per ready to spray quart of clearcoat can be added.	Item #386210

Basic Raw Materials

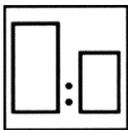
- Wanda 2K clear – Acrylic resins, solvents, and additives
- Wanda 2K Hardeners – Polyisocyanate resins and solvents

Mixing – General

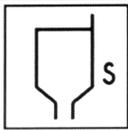
	4 1	Mixing Wanda 8100 2K Clearcoat Wanda 2K Hardener Standard, Hardener Slow or Hardener Extra Slow
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	North America	Technical Data Sheet
	Wanda 8100 2K Clearcoat	
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Mixing – Accelerated

	4 1	Mixing Wanda 8100 2K Clearcoat Wanda 2K Hardener Standard, Hardener Slow or Hardener Extra Slow
	½ ounce RTS Qt	Sikkens ExtraTop

Viscosity When Mixed

 DIN #4	18-20 seconds	Measured with a DIN #4 viscosity cup at 70°F (21°C).
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Pot-Life When Mixed

Product Mix	70°F (21°C)
Wanda 2K Hardener Standard Mix	2 hours
Wanda 2K Hardener Standard Mix Accelerated	1 hour
Wanda 2K Hardener Slow Mix	3 hours
Wanda 2K Hardener Very Slow Mix	3 hours

Spray Gun Set-Up

	Consult spray gun manufactures instructions for specific spray gun pressure specifications.		
	Spray Gun	Fluid Tip	Application Pressure
	HVLP Gravity Fed	1.3-1.5 mm	40-50 psi at the spray gun inlet (<10 psi at cap).
	HVLP Pressure Feed	0.8-1.0 mm	Max 10 psi at air cap
	Siphon Feed	1.5-1.6 mm	40-50 psi at the spray gun air inlet

Application

	Apply 2-3 single coats, allowing for 5-10 minutes flash off time <ul style="list-style-type: none"> - Flash time will be dependent on ambient temperature, applied paint wetness/thickness and available air-flow. - On horizontal surfaces (hoods) it is recommended to apply 3 coats, this provides improved durability and gloss retention.
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Film Thickness – Using Suitable Application

1 Coat will achieve a thickness of 0.8-1.0 mils (20-25 µm).

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	Clearcoat 02/28/2017	
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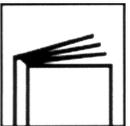
Drying / Curing Time

Allow a 5 minute flash off time before moving the car into a pre-heated drying oven (booth). All drying times relate to application and object temperature.

		Wanda 2K Hardener Standard	Wanda 2K Hardener Standard Accelerated	Wanda 2K Hardener Slow	Wanda 2K Hardener Very Slow
70°F (21°C)	Dust Free	15 minutes	10 minutes	20 minutes	20-25 minutes
	Dry to Handle	8-16 hours	2 hours	10-18 hours	10-18 hours
122°F (50°C)	Dust Free	10 minutes	Not recommended	12 minutes	12 minutes
	Dry to Handle	45 minutes	Not Recommended	50 minutes	50 minutes
140°F (60°C)	Dust Free	10 minutes	Not Recommended	10 minutes	10 minutes
	Dry to Handle	25 minutes	Not Recommended	30 minutes	30 minutes

Following the drying cycle at 140°F (60°C) object temperature, allow the Wanda 2K Clear to cool fully to ambient temperature to complete the through hardener process.

Recoating

	Recoatable with itself after drying full cycle, sanding becomes necessary if there are defects or after 24 hours.
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Sanding / De-Nibbing

	Dust and minor damage can be polished out after the stated air dry times have been reached or after a full bake at 140°F (60°C) object temperature, followed by a cool down of the object to ambient temperature. Carefully sand out dust particles and restore the surface according to the polishing recommendations. <ul style="list-style-type: none"> Ready to polish approximately 30 minutes after cool down to ambient temperature. Carefully sand out dust particles with #1500 then #2000 grit paper wet then polish with appropriate compound.
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Cleaning of Equipment

	Use Wanda Reducer – 407.04001
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Theoretical Coverage

	<p>Theoretical coverage is dependent of many factors. These may include; the shape of the object, surface smoothness, application technique and other application variables among others.</p> <ul style="list-style-type: none"> • 29 sq ft / liter (9 m2/liter) per coat
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VOC / Regulatory Information

	The VOC content of this product (4:1) ratio in ready to use form is 4.1 lbs/gal (495 g/L)
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Product Storage

	Stock unopened or used products in approved closed containers with proper labeling. Store in moderate temperatures between 40°F - 95°F (5°C – 35°C). Avoid too much temperature fluctuation. Optimum storage temperature is approximately 70°F (21°C).	
	Wanda 8100 2K Clearcoat	3 years
	Wanda 2K Hardener Standard	2 years
	Wanda 2K Hardener Slow	2 years
	Wanda 2K Hardener Very Slow	2 years

FOR PROFESSIONAL USE ONLY	
<p>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.</p> <p>Coatings brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.</p>	

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