



Smart Look. Smart Choice.

North America

Technical Data Sheet

Basecoats

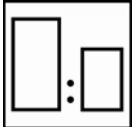
5.11.2011

# Wanda Waterbase MM<sup>®</sup>

FOR PROFESSIONAL USE ONLY

## Description

Waterborne basecoat providing excellent coverage, metallic control and sprayability in order to duplicate OEM solid, metallic and pearl color effects. Wanda Waterbase basecoat must be used in conjunction with a clearcoat in order to provide protection from the environment.



100 Parts Wanda Waterbase

Average 10% Wanda Waterbase Reducer by volume

\* Amount of reducer can be varied 5-20% to adjust sprayability under different conditions.



Spray gun set-up: Gravity Feed

1.2 – 1.4 mm

HVLP max. 8-10 psi at air cap

Application pressure:

30-40 psi(spray gun air inlet)

o Check gun manufacturer specification



Application- metallic colors:

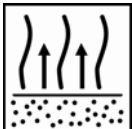
2-3 Coats

Or until full opacity is achieved.

Application- solid colors:

2-3 Coats

Or until full opacity is achieved.



Between coats:

Dried completely to a matt finish at 70°F (20°C).

Prior to clearcoat application:

Minimum of 20 minutes at 70°F (20°C).



Clearcoat application

See clearcoat TDS



Use suitable respiratory protection

AkzoNobel Car Refinishes Inc. recommends the use of a fresh air supply respirator

Read complete TDS for detailed product information





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## Description

Waterborne basecoat providing excellent coverage, metallic control and sprayability in order to duplicate OEM solid, metallic and pearl color effects. Wanda Waterbase basecoat must be used in conjunction with a Wanda LV clearcoat in order to provide protection from the environment.

## Suitable substrates

- All properly prepared existing OEM finishes in good condition, with the exception of thermoplastic acrylic finishes
- Wanda Low VOC primer or sealer
- OEM electro coat (Ecoat) must be sealed prior to basecoat application

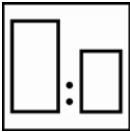
## Products and additives

- Product:** - Wanda Waterbase MM colors
- Reducers:** - Wanda Waterbase Reducer to use for all repair sizes and all application conditions
- Additives:** - Wanda PL Additive

## Basic raw materials

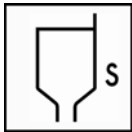
-Waterbase acrylic dispersion -

## Material preparation and mixing



100 parts by volume Wanda Waterbase MM  
 Average 10% by volume Wanda Waterbase Reducer  
 \* Amount of reducer can be varied 5-20% to adjust sprayability under different conditions.  
 5% Wanda PL Additive by weight (optional for extended pot life)

## Spray Viscosity



20-30 seconds DIN cup #4 at 70°F (20°C).

## Spray gun set-up / application pressure



Spray gun	Fluid tip – set-up	Application pressure
Gravity feed	1.2-1.4 mm	30-40 psi at the spray gun air inlet
Gravity feed HVLP	1.2-1.4 mm	HVLP max 10 psi at the air cap
		o Check gun manufacturer specification





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## Application process



### Solid colors

Apply 2-3 coats or until opacity is achieved. Flash off between coats until completely matte finish.

### Metallic colors

1<sup>st</sup> coat apply medium wet coat, 2<sup>nd</sup> & 3<sup>rd</sup> coat 80% of the first coat. Flash off between coats until completely matte finish.

When needed, apply an orientation coat. Increase the distance to approximately 12 to 14 inches and apply a light coat with no wet areas. The orientation coat is about 30% of the first coat.

### Spot repairs

When making spot repairs apply thin coats over the repair area stepping out each coat until opacity is achieved. Dry until matt between each coat before fading out well beyond the edges. –see notes

In case of metallic colors air pressure adjustments may be required to achieve correct color control. Extend each coat until coverage is obtained. Finally apply an orientation coat fading out well beyond the covering coats.

- *In the case of high hiding colors and fading out, the color transparency can be increased by adding Wanda W000 to the RTS mixed color. Maximum ratio: 100 parts color and 100 parts Wanda W000*
- *In case of an almost pure metallic color, a full single coat of pure Wanda W000 can be applied as a wet bed for better metallic orientation.*



### Flash off time

Allow each coat to flash off until completely matte finish.

## Pot-life

- All mixed solid/ aluminum /pearl Wanda Waterbase colors require the addition of 5% by weight of Wanda PL Additive
- Wanda Waterbase Solid colors
- Wanda Waterbase Metallic colors (W800 series): 3 months at 70°F (20°C)
- Wanda Waterbase Metallic colors containing Wanda W001 toner: 1 week at 70°F (20°C)  
1 day at 70°F (20°C)

## Film thickness

Wanda Waterbase solid, metallic and pearl colors: Approximately 0.4-0.9 mils. (10-20 µm) per coat for optimum film properties.

*Film thickness should not exceed 1.2 mils*

## Denibbing

Allow Wanda Waterbase to dry sufficiently, at least 20 minutes at 70°F (20°C). Then lightly dry sand the damaged area with #P600 to #P1000 free-cut sanding paper. Thoroughly remove sanding dust residue with a tack rag then re-apply Wanda Waterbase.





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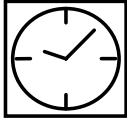
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## Recoatable with

- Wanda Low VOC Clearcoat

## Recoat time



Prior to clearcoat application:

Minimum 20 minutes at 75°F (24°C).

Maximum 24 hours at 75°F (24°C).

- o *Should this maximum time be exceeded, scuff surface and apply another coat.*

## Material usage

Theoretical material usage is ± 65 sq.ft./liter RTS mixture, per coat

*The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, pressure and application circumstances.*

## Cleaning of equipment

Use Gun Cleaner

Purge and spray gun with Wanda Waterbase reducer prior to Wanda Waterbase use.

- *Do not use conventional thinner when the spray gun is not fully cleaned.*
- *Do not soak the spray gun for long periods with Wanda Waterbase Gun Cleaner or Activator*

## VOC

The maximum VOC content of this product in ready to use form is 3.4 lb. /gallon. (403gr/lit)

## Storage / shelf life

Product shelf-life is determined when products are stored unopened

Store products between 70°F and 95°F (20°C and 35°C)

Do not allow product to fall below 50°F

Shelf life:

-Wanda Waterbase – minimum 1 year

-Wanda Waterbase Activator -

**AkzoNobel Car Refinishes Inc. North America**  
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**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.

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### Head Office

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