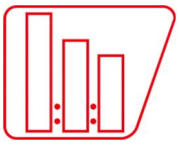
Technical Information
WANDA 2:1 SMART HV CLEAR
W1.05.27 15 December 2021

Wanda 2:1 Smart Clear is a high viscosity, high solid and high thinner intake two pack PU clearcoat. It can be used for small spot repairs and total resprays. It has excellent gloss appearance and durability with quick drying time, with the flexibility to be used with multiple hardeners.



Mixing Ratio

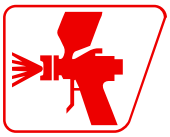
Superior Gloss and Appearance

100 Wanda 2:1 Smart HV Clearcoat
50 Wanda Universal Hardener
30 Wanda 2K Thinner

Good Gloss and Appearance

100 Wanda 2:1 Smart HV Clearcoat
50 Wanda Universal Hardener
40-50 Wanda 2K Thinner

100 Wanda 2:1 Smart HV Clearcoat
50 Wanda Hardener Standard/Slow
30 Wanda 2K Thinner



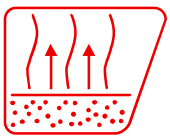
Equipment

Spray gun gravity feed: Fluid Tip: 1.2-1.4 mm
Application pressure: 1.7-2.2 bar at the air inlet
HVLP max 0.6-0.7 bar at the air cap



Application

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



Flash-off

At 25°C

Between coats: 3 - 5 mins between coats

Before curing: 15 minutes



Drying Time

Description		25°C	35°C	60°C
100 Wanda 2:1 Smart HV 50 Wanda Universal Hard. 30 Wanda 2K Thinner	Dust free Dry to handle Hard Dry	34 mins 115 mins > 8hrs	20 mins 90 mins 180 mins	19 mins 38 mins 45 mins
100 Wanda 2:1 Smart HV 50 Wanda Universal Hard. 40-50 Wanda 2K Thinner	Dust free Dry to handle Hard Dry	36 mins 120 mins > 8hrs	20 mins 100 mins 180 mins	17 mins 42 mins 50 mins
100 Wanda 2:1 Smart HV 50 Wanda Hard. Std 30 Wanda 2K Thinner	Dust free Dry to handle Hard Dry	27 mins 100 mins > 8hrs	16 mins 75 mins 180 mins	15 mins 33 mins 40 mins
100 Wanda 2:1 Smart HV 50 Wanda Hard. Slow 30 Wanda 2K Thinner	Dust free Dry to handle Hard Dry	38 mins 120 mins > 8hrs	23 mins 75 mins 180 mins	20 mins 33 mins 50 mins



Protection

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

Product and Additives

Product Wanda 2:1 Smart HV Clear
Hardener Wanda Universal Hardener, Wanda Hardener Standard, Wanda Hardener Slow
Thinner Wanda 2K Thinner

Basic Raw Materials

Wanda 2:1 Smart HV Clear — Polyol and Polyacrylic resins
Wanda Universal Hardener, Wanda Hardener Standard & Slow — Poly-isocyanate resins

Suitable substrates

Wanda Basecoat SB and Wanda Easy Basecoat

Viscosity

DIN cup #4 at 20°C.
100 : 50 : 30 = 15 – 18 seconds
100 : 50 : 50 = 14 – 16 seconds

Pot life

Mix Ratio at 25°C	Wanda Universal Hardener	Wanda Hardener Standard	Wanda Hardener Slow
100 : 50 : 30	2,5 hours	2,5 hours	3 hours
100 : 50 : 50	3 hours	N/A	N/A

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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 HVLP max 0.6-0.7 bar at the air cap



Application:
Apply a first light closed coat.
After 5 minutes flash off apply a flowing second coat.
Allow 15 minutes flash off before bake.

Film thickness

100:50:30 55 – 65 µm
100:50:50 45 – 55 µm

Polishability

Ready to polish minimum 1 hour after cooling down to ambient temperature.
(After full drying cycle)

Equipment Cleaning

Solvent borne gun cleaners

Theoretical Coverage

By using recommended application, the theoretical material usage depends on mix ratio
100:50:30 = 378-379 m²/liter RTS mixture at 1 µm layer thickness
100:50:50 = 340-341 m²/liter RTS mixture at 1 µm layer thickness

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 fluctuation and high humidity levels, and store between 5° and 35°C

Shelf Life

Product shelf-life is determined when products are stored unopened at 20°C.
Avoid extreme temperature fluctuation and high humidity levels
Wanda 2:1 Smart HV Clear - 24 months
Wanda Universal Hardener, Wanda Hardener Standard & Slow – 24 mmonths
Wanda 2K Thinners Medium – 48 months
Wanda 2K Thinners Fast – 48 months
Wanda 2K Thinners Slow – 48 months

VOC

The VOC content of this product in ready to use form is as follow:
100:50:30 = 554 - 577 gram / liter
100:50:50 = 589 - 610 gram / liter

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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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