

Imron® 9200

3.5 VOC P.U. Topcoat

Description

Imron® 9200 is a high solids 2-component topcoat system for use on commercial vehicles, trucks, busses. Composition is based on polyurethane acrylic (patented 'star' polymer technology).

Products

AM	Centari® MasterTint®
9210	HS SCA Binder for Imron®
ZK920	Imron® 9X00 Additive
9021	Imron® Standard Activator
9020	Imron® Slow Activator
9230	Thinner Imron® 9200

Colours

- Industrial and standard colour registers.

Properties

- High quality 2K polyurethane topcoat which provides an excellent appearance, a high gloss finish and low consumption in a very broad range of industrial applications.
- When fully cured, Imron® 9200 is resistant to short exposures of a lot of chemicals.

Substrates

- All OEM Finishes
- Axalta Primers

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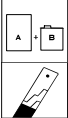
Surface preparation

- Cured, solvent resistant, well preserved and (scuff) sanded OEM and old finish.
- Primed surface

VOC value ready for use (EU Directive 1999/13/EC)

- RAL 9010: 438 g/l 3:1:0.2 by volume with 9020/9230
- RAL 9010: 444 g/l 3:1:0.2 by volume with 9021/9230
- RAL 9005: 407 g/l 3:1:0.2 by volume with 9020/9230
- RAL 9005: 412 g/l 3:1:0.2 by volume with 9021/9230

Product preparation

	Mixing ratio	Imron® 9200	Standard	Slow
			3	3
		9020	-	1
		9021	1	-
		9230	0.2	0.2
Thinner		9230		
	Pot life at 20°C	9020	1.5 hour	
		9201	1 hour	
Recommended dry film thickness		50 – 70 µ		

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Application

		Application viscosity DIN 4 at 20°C (s)	Spray nozzle (mm)	Pressure (bar)	Number of coats
	Gravity feed	24 - 28	1.4-1.6	3-4	1-2
	Suction feed		1.4-1.8	3-4	
(High pressure spraying)					
	HVLP	24 – 28	1.3-1.5	0.7 at nozzle	1-2
(Low pressure spraying)					
	Airless Airmix	24 – 28		2.0-3.0 air Ca 100 material	1-2
	Pressure pot Membrane pump	24 - 28	1.0-1.2	4-6	1-2
(High pressure spraying)					
	Electrostatic	According to the advice of the Axalta Technical Representative.			

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Drying

Air drying at 20°C With 9021	
Dust dry	20min. – 1 hour
Dry to handle	4-6 hours
Dry	16 hours
Forced drying With 9021	15 min. between coats. 15 min. before bake
Drying time	30 minutes
Drying temperature	60°C object temperature

Product data

Flash Point	24-26°C
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	Solids Weight (%) +/- 1	Density (kg/l) +/- 0.01	Theoretical coverage (at 50 µ) (m²/kg)	Theoretical material Consumption (at 50 µ) (g/m²)
White				
Packaged	64.1	1.26		
Mixed (with 9020/9230)	63.3	1.20	8.39	119
Mixed (with 9021/9230)	62.8	1.20	8.29	121
Black				
Packaged	59.1	0.99		
Mixed (with 9020/9230)	59.5	1.00	10.8	92
Mixed (with 9021/9230)	58.8	1.00	10.7	94

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Remarks

	• Stir mixing Tints thoroughly before weigh-out. • Imron® 9200 colour has to be mixed immediately after weigh-out. • Stir the mixture well after the weigh-out of the components. • Close activator can tightly immediately after use as it will react with humid air and water and lose its hardening effect. • Viscosity can be adjusted by adding 9230. Note that the addition of thinner can result in higher VOC content than 3.5 (420 g/l). • Maximum baking temperature is 80°C • For longer potlife, 9020 can be used. Note that longer drying will be needed. • Contact your local Axalta representative in case of specific system modifications.	
	• Before application a colour comparison is recommended.	
Storage conditions	• Material has to be stored at a temperature between 5°C and 35°C.	
Data	Shelf Life (5-35°C) (months)	Density (kg/l) +/- 0.01
AM-Tints	48	/
9210	24	1.081
ZK920	48	0.890
9020	24	1.080
9021	36	1.077
9230	60	0.872



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Safety

Consult the Safety Data Sheet prior to use.
Observe the precautionary notices displayed on the container.

Information

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

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