Technical Data Sheet

Imron® 9100

3.5 VOC P.U. Topcoat

Description

High solids 2-component Topcoat system for use on trucks (cabs and plastic parts).
Composition based on polyurethane acrylic (patented "star" polymer technology).

Products

AM	Centari® MasterTint®
9020	Imron® 9100 Activator Slow
9021	Imron® 9100 Activator Standard
9130	Imron® 9100 Thinner
9110	Imron® 9100 SCA Binder
ZK912	Imron® 9100 Additive High Temperature

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® 9100 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)

- < 420g/l

Product preparation

Mixing ratio		Large surfaces	Repairs
	Imron® 9100	3	3
	9020	1	-
	9021	-	1
Pot life at 20°C	9020	60-90 min	
	9021	45-60 min	
Recommended dry film thickness	40 – 70 µ		

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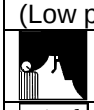
Application

	Application viscosity DIN 4 at 20°C (s)	Spray nozzle (mm)	Pressure (bar)	Spray Distance (cm)	Number of coats
 **Gravity feed**	27-33	1.4-1.6	3-4	20-25	1-2 according application method
 **Suction feed** (High pressure spraying)		1.4-1.8	3-4	20-25	1-2 according application method
HVLP **HVLP** (Low pressure spraying)	27-33	1.3-1.5	0.7 at nozzle	10-15	1-2 according application method
 **Airless Airmix**					
 **Pressure pot Membrane pump** (High pressure spraying)	27-33	1.0-1.2	4-6	20-25	1-2 according application method
 **Electrostatic ESTA**	According to the advice of the Axalta Technical Representative.				

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Drying

Drying (*) object temperature	**20°C** (*) **45°C** (*) **60°C** (*) **80°C (*)**	16 hrs 3 hrs 30 min 20 min

Product data

Flash Point	23°C

	Solids Weight (%) +/- 1	**Density** (kg/l) +/- 0.01	**Theoretical coverage** (m^2/kg)	**Theoretical material Consumption** (at 50 µ) (g/m^2)
I9100 (white) RFU	66	1.20	9-10(at 50 µ) 7-8(at 70µ)	100-110 g/ m^2

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Remarks

	• Centari® Master Tints have to be thoroughly mixed before weight-out and the Imron® 9100 colour has to be mixed immediately after weigh-out. • Close activator can tightly immediately after use, as it will react with humid air and water and lose its hardening effect. • Material has to be at room temperature (18-20°C) before use. • To obtain optimal performance thoroughly mixing of the activator and thinner into the paint is advised. • Max. baking temperature is 80°C • For the conventional application the viscosity can be adjusted by adding solvent ; please contact Axalta technical representative for advise • Contact your Axalta technical 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
I9100 (Flat colors)	12	Colour dependant
I9100 (Glossy colors)	24	Colour dependant
AM-Tints	48	-
9110	24	1.075
9020	24	1.050
9021	36	0.779
ZK912	60	0.890

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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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