

Imron® HydroCoat 7900

1K Waterbased Anticorrosion Coating

Description

Imron® HydroCoat 7900 is a 1-component waterbased acrylic coating system specially developed to protect carbon steel, galvanized steel, casted steel and aluminium for long term corrosion. Composition based on acrylic copolymers and selected lead- and chromate free pigments.

Products

Imron® HydroCoat 7900 1K Waterbased Anticorrosion Coating

Colours

Ral 7012
Ral 7021
Ral 7022
Ral 9005
Gris Orage 844
Other colours -> please consult your Axalta representative.

Properties

- Excellent adhesion on pre-treated metal substrates.
- Excellent chemical resistance.
- Excellent corrosion resistance.

Substrates

- Blasted carbon steel Sa 2½.
- Degreased casted steel.
- Degreased galvanized steel.
- Degreased aluminium



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<p>Surface preparation</p> <ul style="list-style-type: none"> • Remove any contamination. • Eliminate all rust and corrosion. • Surface should be dry and free from dirt, oil and grease.

<p>Theoretical VOC</p> <ul style="list-style-type: none"> • Ral 7012 grey 47.4 g/l





Product preparation

	Mixing Ratio	Imron® HC 7900
	Thinner	NA
	Pot life at 20°C	NA
	Recommended dry film thickness	80-160 µ. recommended layer thickness: 140 µ.

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Application

	Application viscosity DIN 4 at 20°C (s)	Spray nozzle (mm)	Pressure (bar)	Number of coats
 Gravity Feed  Suction Feed (High pressure spraying)	Thixotropic	2 – 2.5	4	1
 Pressure pot Feed pump (high pressure spraying)	Thixotropic	2 – 2.5	4	1
 Airless Airmix	Thixotropic	Airless 0.33 0.38 Airmix 0.33	120 3-4 (air) min.120 (material)	1

Drying

Air drying at 20°C	Relative humidity < 75%
Dust dry	40 minutes
Dry to handle	1 hr
Dry	8 hrs
Totally cured & hard	48 hrs

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Product data

Package viscosity	thixotropic
Flash point	> 95°C

RFU	Solids Weight (%) +/- 1	Density (kg/l) +/- 0.01	Theoretical coverage (at 140 µ)	
			m ² /l	m ² /kg
Ral 7012	59	1.37	3	2.2

Remarks

	<ul style="list-style-type: none"> Stir thoroughly before use Preferably, a blade of 1/3 the size of the container is used. Avoid air entrapment while stirring. 		
Remarks	<ul style="list-style-type: none"> The spray equipment has to be from stainless steel. All stirring rods / containers in use have to be from stainless steel or plastic. Material is frost-sensitive Material has to be stored at a temperature between 5°C and 35°C. Material has to be at room temperature (18-25°C) before use. Maximum application relative humidity 80%. 		
Data	Shelf Life (5-35°C) (months)	Density (kg/l)	Theoretical VOC (g/l)
Imron® HC 7900	18	1.37	47.4



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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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