



Ferrotol HR Aluminium

Two Pack High Lustre Aluminium Paint

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Product Description

A two pack high lustre Aluminium Paint possessing excellent durability and weather resistant properties. The product is designed to withstand a constant working temperature of 250°C and can also be used as a heat reflectant coating.

Usage Areas

Recommended for use outside storage tanks, pipes, stacks, ducting radiators, boiler fronts, chimneys as well as structural steel, etc.

Product Data

Composition	Oleoresinous Medium with leafing Aluminium
Volume Solids	40 ± 2%
Mixing Ratio	Base: Catalyst :: 17.32 : 2.68 by volume
Application Method	Brush or Conventional Spray
Recommended DFT	15 - 20 µ per coat
Theoretical Spreading Rate	19.0 - 25.3 m ² /ltr
Colour	Aluminium
Finish	Bright Metallic

Practical Coverage : Dependent on-site condition and transfer losses due to substrate design, profile, wind, heights, application method, painter's skill etc.





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Typical Coating Systems	Systems compatibility can be provided on request to the Technical Service Team		
	Coats	Generic Systems	Compatible Products
	Primer	Red Oxide, Zinc Chromate, Inorganic Zinc, Aluminium Paint	BP ROZC Primer, Luxol ZC Primer, Zinc Anode 304, Ferrotol HR Aluminium
	Mid Coat	Red Oxide, Zinc Chromate, Aluminium Paint	BP ROZC Primer, Luxol ZC Primer, Ferrotol HR Aluminium
	Top Coat	Aluminium Paint	Ferrotol HR Aluminium**

*** 2 coat optional upon recommendation*

Pack size		UOM	Part A	Part B	Total
	Volume	Lt/Kg	3.46 ltr	.54 ltr	4 ltr
			17.32 ltr	2.68 ltr	20 ltr

Storage	The paints must be in its sealed original containers and be kept under cover in a dry place with ambient conditions inside closed room until use. The curing agent is sensitive to moisture and hence relative humidity within the room should be maintained preferably at $\leq 55\%$. Stacking should not be more than 3 drums/ cartons one above other. DO NOT expose to direct rain/ sunlight. Any deviation to the defined storage condition shall have a negative effect on the shelf life.
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Shelf life	Up to 12 months as long as the sealed original containers are kept under cover in a dry place under normal temperature conditions until use. Note : 1. Storage life @23°C will be extended up to 24 months. Storage at elevated temperatures may reduce shelf life; and hence never exceed maximum room temperature of 40°C. Storage life, thereafter, subject to re-inspection; consult tech-service. 2. It may be noted that higher volume solid material will tend to soft settling on long term storage, and it can made to a normal homogeneous consistency by use of a slow speed 200- 400 rpm power stirrer particularly in the PART A (BASE) container; and this soft settling is not considered as a failure of keeping properties.
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Flash Point	Part A	Part B	Mixed Paint
	30°C	-	30°C

Health & Safety	Please refer to the separate Safety Data Sheet available with detailed information.
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APPLICATION GUIDELINE

Substrate	Steel	
Surface preparation	<p>Steel : Make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. The surface should be clean and dry before application of Ferrotol HR Aluminium Paint.</p>	
Atmospheric Condition	Ventilation	Suitable air engineering systems, which will ensure reduction of air contaminants and thatto further help regulate the temperature and humidity of the working environment.
	Dew Point	Ensure surface temperature to be more than 3°C over the dew point temperature.
	Humidity	Do not apply when relative humidity rises above 90%.
Mixing	<p>Stir the base thoroughly and then mix base to a homogenous mixture and then add recommended part of catalyst to uniform consistency.</p> <p>NOTE : DO NOT ADD THINNER beyond recommendation as it will reduce mixed VS calling for revised WFT calculations as well as challenges on flow properties.</p>	
Thinner	Thinner 800	





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Application	<p>Mix the paste into medium and stir the contents thoroughly before and occasionally during use.</p> <p>Brush : Apply, without thinning, to the recommended thickness.</p> <p>Conventional Spray : Add upto 10% Thinner 800. Use any suitable standard equipment at an atomising pressure of 2.8 - 3.5 Kg/cm².</p>			
Work Stoppage	<p>Ensure to use the mixed paint within pot life as there are no methods to increase working pot life. Keep the working tools and tips free of drying and clogging. Always use fresh material and never add-up to previous mixed paints.</p>			
Clean Up	<p>Clean all equipment immediately after use with Thinner 800. It is good working practices to flush or clean all the spray equipment periodically. All the surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations.</p>			
Drying Time	Temperature	Touch Dry	Handle Dry	Hard Dry
	10°C	4 hrs	8 hrs	26 hrs
	23°C	3 hrs	6 hrs	24 hrs
	30°C	90 min	4 hrs	18 hrs
	40°C	60 min	3 hrs	12 hrs
Over Coating Intervals	MIN	Overnight		





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Curing Time	<p>7 days</p> <p>NOTE : Drying and Curing times are determined under controlled temperatures and at relative humidity below 85%, for the NDFT of the product.</p>
Inspection	<p>Refer SSPC PA2 guidelines for measurement of DFT.</p> <p>Do not conduct any destructive test like peel off/ pull off & high voltage Holiday test unless and otherwise mandatory in the specification.</p> <p>Consult Technical Service team for preparation of QAP (Quality Assurance plan).</p>
Repair Methodology	<p>Clean off loose paints, debris, contaminants and ensure spot repair with available tools as practiced in hand/ power tool cleaning using wire brush/buffing, emery/feathering to smoothen the edges of impaired areas. Use appropriate touch up primer followed by recommended coating system, allowing due over coating interval time to area of 2-3 inches in excess of the spot repaired portion.</p>
Product Characteristics	<ul style="list-style-type: none"> • The coating is not recommended for solvents, salt under splash & Spillage and mild fumes, outdoor conditions. • The coating shows good resistance to water under splash & Spillage and very good under mild fumes, outdoor conditions. • The coating withstands continuous temperatures up to 250°C without loss of performance. • The coating has excellent flexibility and moderate abrasion resistance, ensuring strong protection against wear and surface damage.
Disclaimer	<p>The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.</p>