
1. Identification

Tradename	:	Proterium Alu, anti-corrosion coating
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2. Product Description

A three component, high metal content polyester coating, designed to provide superior corrosion resistance as a single coat as well as a primer for high-performance paint systems. Very high content of aluminum in a dry coat (61%) provides superb protection in environments with high corrosivity.

3. Areas of use

As a new building or maintenance primer. In factories and at the construction sites. For use in corrosivity categories up to C5M Very High (ISO 12944-6). For use in aggressive environments like offshore, marine, bridges, mining, petrochemical plants, power plants.

4. Product Characteristics

<i>Property</i>	<i>Description</i>
Color	Grey
Gloss Level (GU 60°)	Matt
Volume Solids	91%
Typical Film Thickness	Dry: 75 µm – 150 µm / wet: 85 µm – 165 µm
Theoretical Spreading Rate	12,1 – 6,0 m ² /l
Practical Spreading Rate	When calculating practical spreading rate, appropriate loss factor and dead volume should be taken into consideration
Flash Point	33,5°C
Density	1,44 kg/l
VOC	90 g/l

5. Surface preparation

Steel Dressing / Metal Finishing

Depending on environment of exposure. For best performance in harsh environments P3 is recommended. Minimum P2 can be performed in case of shorter lifetime expectances and/or mild environment of exposure.

Cleanliness

For maximum protection and obtaining all product protective properties, substrate must be free from any contaminations and abrasive blast cleaned to minimum Sa2½ (ISO 8501-1:2007) or SSPC-SP6.

Profile

Substrates anchor profile of Fine to Medium G (ISO 8503-2) is recommended

Coated Surfaces

Clean, dry and undamaged compatible coating.

6. Application

Mixing and ratio (in grams) in 23°C	base - 100 / aluminum dust - 125 / catalyst (MEKP) - 2
Induction Time	not needed
Pot Life	60 minutes in 23°C
Application Methods & Guidance	standard airless spray may be used; brush to be used for minor areas like stripe coating or touch up
Thinner & Cleaner	thinner: Styrene thinning max: 5% (thinning is not recommended)
Cleaning solvent	a universal thinner for a heavy-duty epoxy coating
Flushing Spraying Gear	spraying gear should be flushed every 60 minutes during application in 23°C; frequency of flushing is temperature depending
Note	When thinners are used for thinning or as a cleaning solvent, the use must be in accordance with prevailing local regulations

7. Drying Times

	15°C	23°C	30°C	40°C
Touch Dry	3 h	3 h	3 h	1 h
Hard Dry	7 h	6 h	4,5 h	2 h
Overcoating Minimum	7,5 h	7,5 h	5,5 h	2 h
Cured for Service	3 d	3 d	2 d	1 d

8. Heat Resistance

Dry, atmospheric **200°C Continuous**

This product can withstand continuous temperature of 200 °C. The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

9. Compatibility

Easily recoatable with most inorganic coatings. Can be used as a primer in multilayer coating system. Please contact manufacturer for details.

10. Packaging

Packed in 10 kg cans.

11. Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

Base	6 months
Aluminum dust	48 months
Catalyst	48 months

12. Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

13. Disclaimer

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