

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

Property	Description
Color Gloss Level (GU 60°) Volume Solids	Grey Matt 91%
Typical Film Thickness Theoretical Spreading Rate Practical Spreading Rate	Dry: 75 $\mu$ m – 150 $\mu$ m / wet: 85 $\mu$ m – 165 $\mu$ m 12,1 – 6,0 m²/l When calculating practical spreading rate, appropriate loss
Flash Point Density VOC	factor and dead volume should be taken into consideration 33,5°C 1,44 kg/l 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) base = 100 gr / aluminium powder = 125 gr / catalyst

(MEKP) = 2 gr

Mixing and ratio for 20 kg can

Base = 9 kg / aluminium powder = 11 kg / catalyst (MEKP)

= min. 0.8% to maximum 2%

Induction Time not needed

Pot Life 30 minutes at 23°C, also depending on the amount of

**MEKP** 

**Application Methods & Guidance** standard airless spray may be used; brush to be used for

minor areas like stripe coating or touch up

**Thinner** thinning is not recommended

Cleaning solvent a universal thinner for a heavy-duty epoxy coating
Flushing Spraying Gear spraying gear should be flushed every 30 minutes during

application in 23°C or every 20 kg used; frequency of

flushing is temperature depending

**Note** When thinners are used as a cleaning solvent, the use

must be in accordance with prevailing local regulations

7. Drying Times			•	
	15℃	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 300°C Continuous

This product can withstand continuous temperature of 300 °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 20 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

Base6MonthsAluminum dust48MonthsCatalyst (MEKP)48Months

# 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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