

# Aluminex

## TECHNICAL DATA SHEET



### Description of the product

**ALUMINEX** is an enamel paint with aluminium appearance, based on special hydrocarbon resins. It has very strong adhesion, is easily applied, spreads evenly and dries quickly.

### Recommended uses

It is used as a top-coat for painting metal surfaces, even when these are exposed to adverse environmental conditions.

### Technical characteristics

<b>Resin:</b> Hydrocarbon resin	
<b>Density:</b> 1.04±0.02 gr/ml	(EN ISO 2811.01, 20°C)
<b>Production viscosity:</b> 20±3 sec	(DIN 53211/4 mm, 20°C)
<b>Storage Viscosity:</b> 23±7 sec	(DIN 53211/4 mm, 20°C)
<b>Solids b.w.:</b> 61±2%	(EN ISO 3251)
<b>Solids b.v.:</b> 49.5±2%	(ISO 3233)
<b>Flash point:</b> 34±2°C	(EN ISO 1523)

**VOC (Volatile Organic Compounds): ALUMINEX** belongs to the category A/i SB (One-pack performance coatings). EU Limit Value: 500 g/l. The ready to use product contains max. 440 g/l.

### Shades

Available in aluminium shade.

### Properties

<b>Adhesion (Cross Cut):</b> 1-3	(EN ISO 2409)
<b>Hardness (König):</b> 40±10 sec, after 7 days	(EN ISO 1522)
<b>Impact Test):</b> in/out 10±2/0 inch/pounds	(ASTM D 2794)
<b>Resistance to salt spray/clean metal surface</b> 15±5 µm: Very good protection for at least 120 hours	(EN ISO 7253)
<b>Bend test (Mandrel):</b> 2 mm OK	(EN ISO 1519)

### Spreading rate

**Dry film thickness per coat:** 15±5 µm.  
**Spreading rate:** Approximately 15 m<sup>2</sup>/Lt.

### Application instructions

**ALUMINEX** is applied on surfaces free of moisture, rust, dust, oil, grease or flaky parts of old paint. If absolute anticorrosive protection is considered necessary, any anticorrosive alkyd-based primer can be used (**PRIMETAL, GRIDOX, REDOX**).

**ALUMINEX** is applied in 1 coat.

**Application method:** Brush, spray.

**Thinning:** No thinning is necessary.

Tools are cleaned immediately after the application with **CHROTEX SPRAY SOLVENT**, soap and water.

### Drying time

**Dry to touch:** 28±7 minutes (ASTM D 1640).

**Dry through:** 24 hours.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

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### Coating system

If necessary, it is recommended to treat the surface previously with the appropriate anticorrosive primer (**REDOX**, **GRIDOX**, etc).

*Other systems may be applied, depending on the application.*

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### Packaging

Available in 0.20 Lt, 0.375 Lt and 0.75 Lt cans.

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### Storage

1 year, provided the cans remain closed and in normal storing conditions.

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### Health and safety

Please refer to the labeling on the can. In case more information is needed refer to the Material Safety Data Sheet.

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### Notes

- For applications where increased resistances are required, it is recommended to use **MOBILAC** (for outdoor use) or **PYREXAL** (for stoves).
- It is recommended to avoid application at temperatures below 10°C, greater than 36°C and high relative humidity higher than 85%.

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