

ALISYN-FA

Aliphatic Acrylic Enamel

DESCRIPTION

ALISYN-FA Aliphatic Acrylic Enamel is a 2K (Two Components) finishing, based on aliphatic polyurethane, offering maximum resistance and excellent gloss and colour retention and exceptional exterior resistance in surfaces exposed to highly corrosive environment conditions.

COMPONENTS

COMPONENT A: **ALISYN-FA Enamel Resin**
Mixture of pigments, resins and organic solvent based additives

COMPONENT B: **ALISYN-FA Enamel Catalyst**
Aliphatic Polyisocyanate Dissolution

APPLICATIONS

ALISYN-FA Aliphatic Acrylic Enamel is suitable as a finishing coating on great variety of metallic substrates as steel, aluminium, fibreglass reinforced polyester, wood, etc., where a superior resistant premium quality finishing is required.

Is an ideal product for anticorrosive paint systems, epoxydic and polyurethane, for metal structures and bodyworks for interior as well as well trodden exteriors.

COMPONENTS CHARACTERISTICS

Characteristics	Unit	ALISYN-FA Resin	ALISYN-FA Catalyst
Specific gravity 20°C	g/cm ³	1.393	1.036
NVOC	%	60	30.1
Flash Point	°C	30.8	30.6

ALISYN-FA

Aliphatic Acrylic Enamel

SYSTEM CHARACTERISTICS

A / B mixing ratio : 100 / 25 in weight

Characteristics	Unit	ALISYN-FA Aliphatic Acrylic Enamel
Specific gravity	g/cm ³	1.393 (1L ≅ 1.39 Kg)
Ford Cup Viscosity (4)	Seconds	80
Adherence ASTM	%	100
Finishing		Satin or Gloss
Film Hardness after 24 h	persoz	250
Dry, to touch at 23°C	Hours	2 – 3
Total Curing	Days	7
Yield per layer according to substrate	m ² /Kg	8 – 10
Layer thickness	Micron	35 – 40 (per layer)
Recoating range (minimum)	Hours	8 - 10
Mixture life term at 23°C	Hours	2 - 3

NOTE:

- For practical yield calculations the product loss percentages due surface irregularities, applications systems, etc. should always be considered.
- Solvent additions proportionally modify the solids content of the paint and so the necessary humid film thickness.
- Different layer thickness could be applied than the previously indicated, taking into account that such variations would affect the yield and, most probably, the drying time and recoating period.

PROPERTIES

1. Good hardness, impact and abrasion resistance.
2. Excellent hiding power and levelling.
3. Excellent exterior resistance and high gloss.
4. Satin and glossy finishing. Fast curing.
5. The obtained films have everlasting elasticity without brittleness or exfoliation tendency. Therefore, these remain internally plastic even after a prolong aging.
6. Solids content: the solids percentage in standard product is 70.8 % approximately.
7. Available colours: according to chart.

Page 2 of 3

Coure 6, Castellbisbal - 08015 Barcelona
 Tel. (34) 93 325 31 58 – Fax (34) 93 423 67 53

www.synte.es / info@synte.es



This technical information, while not guaranteed, is to the best of our knowledge true and correct and it is intended to be used as a guideline of chemical characteristics and physical properties. It is essential that you test the suitability of our products since the individual conditions of use and application, as well as any suggested formulations and recommendations, are beyond our control.

ALISYN-FA

Aliphatic Acrylic Enamel

SUBSTRATE CONDITIONS

The surfaces should be clean and free of oil, grease, rust or any other contaminating substance and previously primed with a suitable primer or sealer, epoxy type as **SYNTOX-FA Primer**.

On zinc substrates it is recommended a previous application of an epoxydic primer coating.

If the substrate was already treated with a base and the recoating period has been over lapsed it would be necessary to provide a certain roughness to the surface and to enhance a greater between layers.

On substrates that have already been exposed to contaminated environments for a certain time, it is recommended to carefully clean the surface with high pressure clean water before the product application.

PRODUCT APPLICATION

Homogenise the product before use; a stirrer is recommended in order to pr

Use paintbrush, roller or airless spray gun and ensuring well ventilation is available in closed places.

It is important that the application is carried out over dew point temperatures in order to avoid condensations. The environment temperature recommended during the curing time should not be under 5°C.

DISOLVENTE1-FA should only be used as diluent.

PRODUCT PACAGING

ALISYN-FA Aliphatic Acrylic Enamel is served in 750 cm³, 5 kg and 20 kg drums.

STORAGE

Store the product containers perfectly closed and protected against freezing and direct sun light. Under these storage conditions and at temperatures between 5°C-35°C the product has a shelf-life one year maximum if unopened.

SAFETY MEASURES

Contains aromatic hydrocarbons. Avoid direct contact with skin and eyes; do not swallow. Keep buckets perfectly closed and only use spray-gun for the application in well ventilated places. Use suitable personal protection equipment during the application. Follow the recommendations provided in the Safety Data Sheet of the product.