Ficha Técnica

Two-Components Polyurethane Enamel (Kit)

Ventajas

- High gloss and color retention.
- High resistance to exterior and domestic chemical products.
- Excellent anticorrosive characteristics applied on Jafep Epoxy Primer

Descripción

Polyurethane enamel is a finishing product made up of hydroxylated acrylic resins and an aliphatic isocyanate, the result of which is a smooth, continuous, shiny film that is resistant to the usual chemical products. It stands out for its very high gloss and color retention.

Propiedades

- High color and gloss stability.
- High resistance to the exterior in rural, urban and semi-industrial environments.
- Excellent mechanical characteristics.
- Good direct adhesion on aluminium.
- Resistance to household chemicals.
- Excellent anticorrosive characteristics applied on Jafep Epoxy Primer.
- It complies with the UNE 48274:2016 standard. Two-component aliphatic polyurethane paint with a glossy finish.
- Chemical resistance*:

Producto Ensayo	Resistencia química	
	24 horas contacto	48 horas contacto
Vino	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿
Café	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿
Salfumán	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿
Volvone	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿
Coca cola	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿
Acetona	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿
Lejía	✿ ✿ ✿ ✿ ✿	✿ ✿ ✿ ✿ ✿

*Whenever a spill of chemical products occurs, cleaning is recommended as soon as possible. The results shown are internal laboratory results based on the UNE-EN 48027:1980 standard after 48 contact hours.

Certificados de empresa

AENOR ER Empresa Registrada ER-0595/2999 · IQNet CERTIFIED MANAGEMENT SYSTEM ISO 9001:2000 · AENOR Gestión Ambiental GA-2006/0179

Datos técnicos

Datos de identificación del producto

Color	White and on demand
Aspecto	Matt, Gloss & Satin
Naturaleza	Polyurethane
Peso específico	1.15 g/cm³ (depending on color)
Viscosidad	190-210 sec CF4 base P and 71-78 KU base TR, both at 23+-2ºC

Datos de aplicación del producto

Herramienta	Brush, Roller, Spray Gun-Airless

Rendimiento	12-14 m²/L or 10-12 m²/Kg (30-40 microns)
Diluyente	Polyurethane thinner (do not use universal solvent)
Repintado	<24 hours
Secado	8 hours

Dónde aplicarlo

Metallic surfaces, structures, metallic carpentry (aluminum) and wooden surfaces. It is a perfect finish in anticorrosive systems on epoxy primer.

Precauciones

- Do not apply at temperatures below 5ºC, or above 30ºC, or below dew point. Drying, curing, and both product and support temperatures must also be within this temperature range for that application.
- Do not apply if rain is expected or in the presence of strong winds.
- Use skin protection.
- If you do not use full containers, respect the mixing ratio of both components: 5 parts of component A and one part of component B.
- Avoid using different batches in the same cloth or, failing that, mix the current can with the next at 50% to reduce the normal differences between batches.

Modo de empleo

For its use, the two components must be mixed in a 5:1 ratio by weight, preferably mechanically, failing which a perfect homogenization of the mixture will not be ensured. To achieve this proportion, the total content of component B must be poured over component A. Once the mixture has been made, it must be applied within the following 20 hours. Optimum results are obtained by spraying the product.

By brush: Due to its rapid drying, only small surfaces will be applied by this method. It can be diluted up to 5% with PU Solvent to facilitate its application.

By roller: it must be diluted with 5-10% with PU solvent.

A Pistol: it is recommended to dilute it with 10-15% of PU solvent depending on the pressure and the diameter of the nozzle.

If the complete containers are not used and in order to obtain the best results, the quantities indicated in the characteristics section will be weighed; mix ratio by weight.

Surface preparation:

The surfaces to be painted must be free of rust, dust, grease and remains of old paint. SA21/2 sandblasting is recommended.

It must be applied at temperatures above 5ºC and always above the dew point.

On porous surfaces: The surface to be painted must be sealed with a coat of the same product diluted with 20% PU solvent. It should dry 10 hours before applying the next layer(s).

In the application on ferrous surfaces; When a good resistance to corrosion is desired, it is advisable to apply two coats of EPOXY PRIMER with an interval of less than 24 hours with a minimum thickness of 50-60 microns. The application of the Polyurethane finish must be carried out within the first 24 hours after the primer in order to ensure good adhesion between layers.

On light metals: The adherence on aluminum surfaces is perfect, it should only be cleaned with an alkaline detergent or, failing that, with a normal detergent to which a small amount of ammonia will be added, then it will be rinsed with clean water.

On galvanized iron surfaces, the same cleaning will be carried out and a Wash-Primer with a layer thickness of less than 10 microns will be previously applied.

Recommended system*, **: Corrosivity category C3 (Industrial and urban environments with medium levels of pollution).

3 layers of 40 microns of 2C Anticorrosive Epoxy Primer

2 layers of 30 microns of 2C Polyurethane Enamel

ENPS (Nominal Dry Film Thickness) of 180 microns.

*Maximum strength observed 5-10 years.

**For recommendation of other systems, consult the Jafep Industry division.

Almacenamiento

The containers must be stored in their original container in areas protected from the sun and at temperatures below 30ºC.

Useful life

Component A 24 months, in a dry place protected from the elements in its original hermetically sealed container.

Component B 12 months, in a dry place protected from the weather in its original hermetically sealed container.

Formatos

Two component kit:

- 1 kg: 0.83 kg component A + 0.17 kg component B

- 4 kg: 3.33 kg component A + 0.67 kg component B

- 15Kg: 12.5 kg component A + 2.5 Kg component B

Memoria descriptiva

The polyurethane enamel will be applied on metallic surfaces and previously using an anticorrosive epoxy primer. For its use, the two components must be mixed in a 5:1 ratio by weight. To achieve this proportion, the total content of component B must be poured over component A. The yield will be 10 to 12 m2/L and layer, requiring two coats of 30 microns of product. The surfaces to be painted must be free of rust, dust, grease and remains of old paint. The general recommendations of the manufacturer are respected.


Atención al Cliente
967 44 05 96
atencionalcliente@jafep.com


Servicio Técnico
dpto_tecnico@jafep.com