Edition date: March 2021

Technical Data Sheet

ACE-373 PLUS

DESCRIPTION

It is the result of the reaction of hydroxylated acrylic copolymers and an aliphatic hardening agent, specially designed to achieve high quality finishes in highly aggressive environments..

INTENDED USES

This very high quality polyurethane enamel has excellent adhesion properties which make it suitable for a large range of substrates such as steel, aluminum, galvanized surfaces, tiles, concrete, etc.
Due to its high impact and abrasion resistance, ACE-373 PLUS enamel is valid for all types of environments and conditions.
Its use in marine environments, even in immersion, is common.
AR-373 also has a high chemical resistance and color and gloss retention light colours do not suffer yellowing due to the action of UV rays.
This product complies fully with the requirements specified in the UNE 48274 standard.

PRODUCT TECHNICAL DATA

Appearance: Gloss, Satin, Matt	Density: 1.30 – 1.40 kg/L
Colour: RAL and NCS colour collections	Solids content: 60%±2
Theorical performance: 15 m^2/L a (40 µm DFT).	Recommended thickness: 40-60 µm in dry film 66-100 µm in wet film
Application methods: Brush, Airless, Aerographic and Roller.	Mixture ratio: Volume: 12:3,5 Weight: 4:1
Flashpoint:	COV´s: 420 g/litre
Component A: 35ºC	Recommended solvent: polyurethane solvent D-502
Componente B: 35ºC	Pot Life: 10 hours at 20ºC
Mixture: 35ºC	Curing time: 7 days at 20ºC.
Meets Norm UNE 48274	Temperature resistance: 140ºC with 180ºC peaks

PACK SIZE

Avalaible in 3 L and 12 L, catalyst 875 mL and 3.5 L, also available in 970 mL (IBERKIT)

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DRYING TIME

Temperature ºC	Touch	Handling	*Minimun recoating time*	*Maximum recoating time* (1)
10	4 hours	8 hours	8 hours	Unlimited
15	2 hours	6 hours	6 hours	Unlimited
25	60 minutes	5 hours	5 hours	Unlimited
40	30 minutes	3 hours	3 hours	Unlimited

(1) The maximum time for repainting is only unlimited when the surface is free of any contamination

SURFACE PREPARATION

All surfaces must be clean, dry and free from contamination. Before the paint is applied, surfaces must be evaluated and treated in accordance with ISO 8504: 2002.
For the application of ACE-373 PLUS on steel, the painting system will be applied according to the corrosive environment, using ACE-373 PLUS as a finishing coat. For this, it is recommended to follow the guidelines of the UNE-EN ISO12944-5 standard. It will be applied within the specified repainting intervals of each product.
For use in concrete or ceramics, it is recommended to apply a first coat diluted with polyurethane solvent (30% for ceramic and 50% concrete) that will act as a seal, followed by one or two finishing coats at normal viscosity (10–20%).
To apply ACE-373 PLUS Matt or Satin on porous floor surfaces, it is recommended to prime the surface with ACE-373 PLUS Gloss, with a 50% dilution in order to seal the pores before applying the final coat.

APLICATION REQUIREMENTS

The material is supplied in two containers. Once mixed, they must be used within the specified potlfe.
The container containing the catalyst must be hermetically closed, as it reacts with the humidity in the air and deteriorates.
The temperature of the substrate must be at least 3ºC above the dew point.
Use only where application and curing can take place at temperatures above 5ºC.
During application and drying, the maximum relative humidity should be less than 85%.
It does not require need induction time.

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APLICATION EQUIPMENT

BRUSH AND ROLLER	AIRLESS	AEROGRAPHIC
• Recommend • Dilution: 5% maximum	• Recommend • Dilution: 5% maximum • Nozzle size: 0,017-0,019 inches. • Nozzle pressure: 150-200 Bar.	• Recommend • Dilution: 30% maximum • Nozzle size: 1,4 – 2,0 mm • Nozzle pressure: 3-4 Bar.

SAFETY RECOMENDATIONS

- The packages have the corresponding safety labels.
- Inhalation of solvent vapors and contact of the paint with the skin and eyes must be avoided.
- When applied in closed spaces, forced ventilation must be provided.
- The product has a corresponding safety data sheet.

SHELF LIFE AND STORAGE CONDITIONS

12 months in original containers stored in a dry place between 5ºC and 30ºC Technical Data Sheet. Edition: October 2019 cancels and replaces the previous version.
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Any claim submitted under this guarantee must be presented by the buyer directly to Ace Coatings, by written communication within a maximum period of 5 days from the detection of the defect, in no case beyond the expiration date of the product, or in any case, no later than 1 year from the date of delivery of the product to the buyer (the earlier option will be valid).
The buyer will not be able to make use of the guarantee if he does not notify Ace Coatings of the non-conformity as indicated above. Ace Coatings shall, in no event and under no circumstances (including negligence of any kind, strict liability or damages), be liable for any indirect, special,

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