

## DESCRIPTION

ART-373 is a two-component, high quality topcoat enamel, with outstanding adhesion to polyurea and polyurethane membranes, wood, steel, aluminium, etc. It result of the reaction between hidroxilate acrylic copolymers and aliphatic isocyanates, this system is known as D/D.

Its special formulation is focused on getting high quality topcoats in extremely aggressive environments, both indoors and outdoors, that protect the coating from abrasion, corrosion and UV radiation.

## REGULATORY INFORMATION

- VOC's content: 408 g/L STANDARD: UNE 48274
- ADR / IMO : UN1263 Paint Class 3 ,Group III

## PROPERTIES OF THE COMPONENTS

### Component A:

Density .....1,25-1,30 Kg./L

Viscosity .....150"-175"

Flash Point.....34°C

### Component B:

Density .....0,92-0,95 Kg./L

Viscosity ..... 8"-14"

Flash Point.....35°C

### Mixture

Density .....1,20-1,25 Kg./L

Flash Point.....34°C

## PROPERTIES OF THE SYSTEM

Appearance:	Gloss
Colour:	White and blue in stock RAL chart colours available under demand
Solids content:	60±2%
Recommended Thickness:	35-50 micron in dry film
Theoretical performance:	6-10 m <sup>2</sup> / lit. depending on substrate's porosity
Application Methods:	Brush, roller, aerographic gun, airless.
Full dry film:	7 days
Mixture Relation:	12:3.5 (volume); 3:0,875 (volume); 4:1 (weight)
Pot life:	8 (Summer) - 12 hours (Winter)
Recommended Solvents:	Polyurethane solvent
Temperature Resistance:	120°C (and eventual peaks up to 140°C)

**DRYING TIME**

Temperature (C°)	Touch	Total
10	3,5 h	< 24h
20	2 h	< 19h
35	1,5 h	< 12h

**REPAINTING WAIT (@ 20°C)**

MIN	MAX
16 h	No limit IF CLEAN

**GENERAL FEATURES**

- Good colour and gloss preservation.
- High chemical resistance
- Non yellowness in white and light colours
- High outdoor resistance
- High abrasion and impact resistance
- High flexibility

**APPLICATION TIPS AND OBSERVATIONS**

- All the surfaces will must be clean, and without any rest of pollution.
- Substrate's temperature must be at least 3°C above the dew point.
- This product is extremely sensitive to humidity thus it is convenient to apply in dry environment.
- Substrate must be dry.
- Component B packaging must be hermetically closed because it reacts in contact with air.
- Irregularities on the substrate and the application method can produce changes in the practical performance of the product.
- It is suggested to use Polyrethane or Nitro solvent (or similar) to clean all working equipment.

AIRLESS  
Dilution: 5% Max  
Nozzle hole: 0.013"  
Nozzle pressure: 150

AEROGRAPHIC  
Dilution: 20% Max  
Nozzle hole: 1-1.5"  
Nozzle pressure: 3-4 bar

BRUSH I ROLLER  
Dilution: 5% Max

## **SURFACE TREATMENT**

### **Iron or steel**

Depending on the degree of protection desired, apply a primer or polyvalent epoxy, which can follow a thick epoxy layer and one or two coats of polyurethane topcoat. When some time has elapsed between priming and the top coating remove all traces of dust and foreign particles by brushing or washing.

### **Polyurea, Polyurethane, Concrete, wood or ceramic**

Apply a first-hand diluted 15-20 %, that will seal, followed by one or two coats of finish to normal viscosity is recommended.

## **IMPORTANT INFORMATION AND SAFETY PRECAUTIONS**

All packaging have their own safety label.

Avoid inhalation of solvent vapours as well as avoid skin and eye contact. Use full mask with solvent filters, gloves and safety goggles when manipulating.

Provide good ventilation in closed areas.

The product has its own Safety Data Sheet.

### **WARNINGS for best results:**

1. Pasable within 48 hours after application
2. Not recommended to put in contact with water in less than 3 to 5 days depending on the temperature