



TECHNICAL DATA SHEET

EPOXY-VINYL ENAMEL

Name: EPICOL-VINYL COAT
Code: 411.00000
Color: RAL COLORS, NCS, ON SAMPLE
Appearance: GLOSSY
Packaging: 25 KG TIN
Availability: ON REQUEST

Catalyst: EPOXY
Name: EPICOL CATALYST
Code: 490.06304
Packaging: 5 L. TIN

Specific thinner: [EPOXY](#)
Name: EPICOL DILUENT
Code: 940.02076

WHERE TO USE

Enamel very resistant to dilute solutions of acids and alkalis, solvents, fuels, industrial and marine atmospheres. Particularly suitable for painting revamping provided for in maintenance plans, because it is easily overpainting as there is no need to over-prepare the support or sand it. Due to a characteristic of epoxy resins, the product tends to take flour out over time without diminishing its protective function. The recommended minimum final thickness is not less than 50-70µm in dry film.

CHEMICAL AND PHYSICAL CHARACTERISTICS

Referred to the undiluted catalyzed product

The physical constants are indicative and subject to normal production tolerances in accordance with ISO 3534-1. The data shown are relative to the White Color. For different colors the physical constants can take different values.

Calculated specific weight	Kg/L 1.200 ± 0.020 L/Kg 0.820 ± 0.020
Fineness of grinding	>6 Hegman scale (NS)
Calculated dry residue	Weight 66% ± 2% Volume 51% ± 2%





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Binder	EPOXY + AMINE ADDUCT
C.O.V.	< 500 g/L
Calculated theoretical yield* dry film 60µm	5.2 mq/Kg 5.8 mq/L
* The yield must be evaluated from time to time, as it is conditioned by multiple external and environmental factors that are variable during the application phase. In estimating the quantities necessary for the execution of the work, it is also necessary to consider the possible losses of material during mixing and application.	

Drying	Air T° 25°C Relative humidity 70%
Dust out	15' – 20'
Dry to the touch	3 - 4 hours
Dry in depth	7 days
Overpainting	after 1 hour and within 72 hours

APPLICATION INSTRUCTIONS

Optimal conditions for the application

Temperature not lower than 5°C, and anyway when the T° of the surface is at least above dew point.

Relative humidity not exceeding 80%.

Note: Excessive moisture or condensation during polymerization can negatively interfere with the polymerization itself and / or cause discoloration. Above or below normal conditions it may be necessary to use special application techniques and particular dilution ratios.

How to treat the surface

The surface must be clean and dry. A suitable method must be used to remove dirt, dust, oils and other contaminants that could interfere with the adhesion of the product.



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Less complex procedure (Non-binding work)	1) Accurate degreasing as indicated in the SSPC-PC 1-63 specification. Preferable option is the use of mechanical St2 grade brushing as indicated in the SSPC-SP3 specification 2) Accurate blowing by dehumidified compressed air (ISO 8573) 3) Application of epoxy-vinyl enamel EPICOL-VYNIL also directly
Complex procedure (Challenging jobs)	1) Sandblasting up to Sa 2½ grade as indicated in the SSPC-SP 10-63 T specification, and subsequent accurate blowing by dehumidified compressed air (ISO 8573) 2) Application of appropriate two-component anticorrosive primer within 6 hours 3) Application of epoxy-vinyl enamel EPICOL-VYNIL after 1 hour and within 72 hours of primer application

Recommended primer	Epoxy-Polyamide antirust
Name	EPICOL PRIMER
Code	401.00000

Mode

By spray	SUITABLE
By roller	SUITABLE
By brush	SUITABLE
Note: Taking care to reach the required thickness	

MIXTURE AND DILUTION

Both depend on the application method.

The use of a diluent other than the specific one indicated may have a negative effect on the behavior of the coating applied, with the cancellation of guarantees also explicitly expressed and / or agreed upon.

Note: Carefully mix epoxy-vinyl enamel (component A) before catalysis. Add the catalyst (component B). Carefully mix the catalyzed product. Adding the thinner and mix again.



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Spray application

With AIRLESS and AIRMIX systems, dilute up to the viscosity of 40" Ford Cup No. 4 at 20°C.

On request, the product is available for application with ELECTROSTATIC SYSTEM.

Roller application

Maximum dilution 5%, taking care to reach the required thickness.

Brush application

Maximum dilution 5%, taking care to reach the required thickness.

Catalysis	
EPOXY-VINYL ENAMEL	100 PARTS BY WEIGHT
EPOXY CATALYST	20 PARTS BY WEIGHT
EPOXY-VINYL ENAMEL	100 PARTS IN VOLUME
EPOXY CATALYST	33 PARTS IN VOLUME
INDUCTION TIME	15 MINUTES
POT-LIFE*	8 hours at 25°C and lower at higher temperatures.
*The duration of the mixture ends when the product becomes too viscous for use.	

INSTRUCTIONS FOR STORAGE

The product must be stored in accordance with national regulations. After the indicated period of time, check before use to verify the integrity of the product. Storage at high temperatures significantly reduces the period of use of the product.

Enamel

12 months from the date of production in sealed can, as long as the material is placed indoor, away from heat sources, protected from frost and anyway within the limits of 4 - 30°C and humidity 0 - 80°C.

Catalyst

12 months from the date of production in sealed can, as long as the material is placed indoors, away from heat sources, protected from frost and anyway within the limits of 4 - 30°C and humidity 0 - 80°C.



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HEALTH AND SAFETY

To be used exclusively for the uses and conditions shown on this data sheet.

In applications it is always necessary to provide adequate room ventilation.

Do not inhale the nebulised paint. Do not eat, drink or smoke during use. Do not disperse into environment. Collect spillages.

Dispose of the product / container in accordance with national regulations.

The product causes serious eye irritation. Wearing protective gloves / clothing. Protecting eyes / face. In case of contact with the skin, removing the paint with a suitable detergent, soap and water. Keep out of reach of children.

In case of need, consulting Niguarda Hospital's venoms Center at the number 02/66101029

For detailed information on health and safety hazards and precautions for the use of this product, always consult the Safety Data Sheet.

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Please Note:

Since the conditions of use of our materials are not under our direct control, we decline any responsibility for the improper use that is made of them, for the direct or indirect damages that can derive from their use towards anyone and for the duration in time of the product after its application.

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Colgom© reserves the right to change the information given without prior notice.

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This data sheet replaces all the previous ones.



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