

DESCRIPTION

High quality enamel, based on epoxy resins with low solvent content and polymerizing with modified cycloaliphatic polyamine hardener. Outstanding chemical resistance, to abrasion, to the shock and anti-corrosion protection. Due to its excellent resilience to the abrasion and shock, chemical resistance and hardness, as well as adherence to several substrates such as, cement and concrete, fibrocement, steel, wood, etc., the **Timiepoxy (2 components)** is suitable for painting floors, pavements and walls in industrial installations such as water treatment plants, slaughterhouses, chemical industry in general, gas bottles, etc. It is also recommended for painting submerged surfaces such as swimming pools, tanks and other reservoirs, but is not suitable for painting surfaces in contact with food products (drinking water tanks, wine tanks, etc.) This product is resistant to salt and fresh water, acids and diluted bases, oils and greases. It is not resistant to a permanent contact with solvents and fuels. It is resistant to temperatures up to 100 °C (dry), although there is a slight yellowing of the light tones. It is advisable to consult our technical services for special situations.

SUPPLY FORM

2

RECOMMENDED THINNER

Diluyente Timiepoxy

PHYSICAL DATA

COLOUR		White and others
FILM ASPECT	Gloss	Gloss
SPECIFIC GRAVITY		1.390 ± 0.050 g/cm ³
VISCOSITY		80 - 90 KU
SOLIDS BY WEIGHT		74 % – Valor Teórico
DRYING TIME	Touch dry	2 hours
	Total dry	24 hours

Drying times are dependent on temperature, ventilation and film thickness.

APPLICATION DATA

SURFACE PREPARATION

All surfaces to paint must be dry, clean, and exempt of any contaminants, oil, greases, and oxidation, especially in pavements painting, since they will be subject to greater wear and tear. Serious adhesion problems can occur if the surfaces to be painted are not properly treated. Cement surfaces must be “sanded”. In the case of cement surfaces (pavements, swimming pools, etc), especially in new bottoms, if the surfaces are too polished (glazed, “burned”) a chemical attack must be carried out with a 10% hydrochloric acid solution. Then rinse with water plentifully and let it dry until the moisture content of the cement be less than 20-30%. Oils and greases will have to be removed with good detergents.

MIXING FORMULATION

This product is formed by two components, which must be mixed in the volume ratio of 2 parts of **Timiepoxy** with 1 part of **Endurecedor p/ Esmalte Timiepoxy**, immediately before application. The mixture must be suitably homogenised and then thinned with **Diluyente Timiepoxy**, according to the application process. After mixing the components wait about 5 – 10 minutes, for the release of foam and reaction products. Only after start its application. The mixture has a pot-life of 6 to 8 hours.

APPLICATION CHARACTERISTICS

APPLICATION METHOD	Conventional spray, airless spray, brush and roller
RECOMMENDED FILM THICKNESS	Apply a thickness of 40 - 50 µm per coat
THEORETICAL COVERAGE	7 to 9 m ² /L/per coat. Allow for application losses, surface irregularities, etc.
INTERVAL BETWEEN COATS (repainting)	Minimum – 24 hours Maximum – 72 hours Drying times are dependent on temperature, ventilation, and film thickness.
UTENSILS/TOOLS CLEANING	The utensils/tools must be cleaned with Diluyente Timiepoxy or Diluyente Celuloso immediately after the application.
ENVIRONMENTAL CONDITIONS DURING APPLICATION	
Ambient Temperature	10 - 40 °C
Relative Humidity	0 – 80 %
Surface Temperature	2 a 3 °C above dew point
THINNING	Metal Surfaces 5 to 10% of Diluyente Timiepoxy on the total of the mixture in all the coats Cement Surfaces 1 st coat 20 to 25% of Diluyente Timiepoxy 2 nd coat and following 5 to 10% of Diluyente Timiepoxy

SHELF LIFE

When stored inside in original containers and sheltered from sunlight and cold at temperatures between 5 and 40 °C, the product has a shelf life of 3 years after its date of manufacture.

OBSERVATIONS

New concrete or cement surfaces need to have 30 days of drying time (cure) before being painted.

When painting floors or others surfaces that will be subject to abrasion, it is necessary that the film thickness is as high as possible, so it is not recommended that the application be carried out with spray, but with a roller or a brush in at least three coats.

If **Timiepoxy** is applied to iron surfaces with corrosion, abrasive blast cleaning must be done to SA-2 ½ grade.

Do not apply **Timiepoxy** on very humid or cold days. Humidity may cause "peeling".

To avoid waste of product, prepare, each time, only the amount of mixing required for each coat.

It is only after 7 - 14 days of hardening that Esmalte Timiepoxy obtains the total characteristics of resistance to abrasion and hardness. If the paint is to be submerged or in contact with chemical products, it must be allowed to harden for at least 14 days. Do not work on the floor before at least 2-3 days after painting finishing.

This technical data sheet is merely of an advisory nature, based on current technical know-how, for guidance, and may be changed without prior notice. As the conditions are beyond our control, the company cannot under any circumstances be held responsible for the obtained final results in its use.



TIMIEPOXY – Gloss Epoxy Enamel

HEALTH, SAFETY AND ENVIRONMENT

In general, avoid contact with eyes and skin; gloves, goggles and appropriate clothing must be worn. Keep out of the reach of children. Use only in well ventilated areas. Do not empty into drains. Keep the container properly sealed and stored in the correct place. Take correct measures when transporting the product; Prevent any accident or incident that may occur during transportation, in particular the rupture or deterioration of the packaging. Ensure that the container is correctly stacked in a safe area. Do not store or use the product in extreme temperature conditions always between 5 and 40 °C. Always take account of the appropriate legislation relating to the Environment, Hygiene, Health and Safety at Work. For more information it is essential to read the label on the container and the product Material Safe Data Sheet.

NOTE: RESERVED FOR PROFESSIONAL USERS

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