



## Esmalte 2C Timiperfection PU Timicor

### Product Description

**Esmalte 2C Timiperfection PU Timicor** 2-part polyurethane enamel is the ultimate performing, high gloss topside finish. Provides a long-lasting, glossy finish with good gloss and colour retention, plus chemical and abrasion resistance. It has been formulated to obtain a quality finish and a professional look. UV filters combined with the chemical cure of the polyurethane enamel give the longest life possible.

\* Up to four times longer service life than conventional single component enamel (Synthetic)

\* Its chemical cure allows a great resistance to fuels, oils, moderate acids and alkaline products

<b>Colour</b>	White and others		
<b>Gloss</b>	Gloss		
<b>Specific Gravity</b>	1,020 g/cm <sup>3</sup>		
<b>Solids by Weight (%)</b>	54 %		
<b>Mixing Ratio</b>	2:1		
<b>Hardener</b>	<b>Application</b>	Brush or roller	Endurecedor Timiperfection
		Spray	
<b>Thinning</b>	<b>Application</b>	Brush or roller	Diluyente Timiperfection
		Spray	
<b>Coverage</b>	<b>Application</b>	Brush or roller	9 to 11 m <sup>2</sup> /Lt
		Spray	8 to 10 m <sup>2</sup> /Lt
<b>VOC</b>	500 g/Lt		
<b>Available Packing</b>	1 Lt and 5 Lt		

### Drying / Repainting

	5°C	15°C	23°C	35°C
<b>Touch Dry</b>	4 hours	2 hours	1 hour	30 min
<b>Pot Life</b>	10 hours	5 hours	3 hours	2 hours
<b>Repainting</b>	Minimum: 5 hours / Maximum: 3 days			

**Note:** If the maximum repainting time is exceeded, a wet or dry sanding with P320-P400 grit sandpaper is required.

### Application

<b>Use and Specifications:</b>	<b>Previously Painted Surfaces:</b>
	<b>In good condition:</b> Wash with a suitable detergent, wipe with fresh water and allow to dry. Sand with P280-P320 paper grain sandpaper until the surface is smooth. Remove the powder with a brush or cloth. Apply a coat of <b>Primário Timirapid</b> thinned to 50% with <b>Dil. 2K Normal T420</b> .



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### Application

#### Use and Specifications:

##### **Previously Painted Surfaces:**

##### **In good condition:**

Apply two coats of **Subcapa 1C Timi-Cote** thinned to 10% with the recommended thinner according to the type of application. Thin the 1st coat of **Esmalte 2C Timiperfection PU Timicor** to 25% with the recommended thinner according to the type of application. Then apply a minimum of 3 to 4 coats.

##### **In poor condition:**

Remove all paint in poor condition with the aid of mechanical tools, do not use paint stripper in this operation. Sanding with paper grain sandpaper P120, followed by P320 so that the surface is smooth. Remove the powder with a brush or cloth. Apply a suitable Primer to the surface to be painted. Thin the 1st coat of the **Esmalte 2C Timiperfection PU Timicor** to 25% with the recommended thinner according to the type of application. Then apply a minimum of 3 to 4 coatings.

**Bare Wood:** Sanding with paper grain sandpaper P120, followed by P240 and finally P320 so that the surface is smooth. Remove the powder with a brush or cloth. If cleaning with **Dil. 2K Normal T420** or with **Desengordurante S T600** allow to dry completely, before applying the 1<sup>st</sup> coat of **Primário Epoxi 2 Comp. Timiprotect Cinza (3:1)** in a total of three coats. Following apply two coats of **Subcapa 1C Timi-Cote** thinned to 10% with the recommended thinner according to the type of application. Thin the 1st coat of **Esmalte 2C Timiperfection PU Timicor** to 25% with the recommended thinner according to the type of application. Then apply a minimum of 3 to 4 coats.

**Aluminium:** Sand with P120 paper grit sandpaper, and finally sand with P320 so that the surface is smooth. Remove the powder with a brush or cloth. If cleaning with **Dil. 2K Normal T420** or with **Desengordurante S T600** allow to dry completely, before applying the 1<sup>st</sup> coat of **Primário Epoxi 2 Comp. Timiprotect Cinza (3:1)** in a total of three coats. Following apply two coats of **Subcapa 1C Timi-Cote** thinned to 10% with the recommended thinner according to the type of application. Thin the 1st coat of **Esmalte 2C Timiperfection PU Timicor** to 25% with the recommended thinner according to the type of application. Then apply a minimum of 3 to 4 coats.

**Grp:** Apply two coats of **Subcapa 1C Timi-Cote** thinned to 10% with the recommended thinner according to the type of application. Thin the 1st coat of **Esmalte 2C Timiperfection PU Timicor** to 25% with the recommended thinner according to the type of application. Then apply a minimum of 3 coats without thinning.

##### **Aged/Weathered Gelcoats:**

Due to the potentially porous nature of aged/weathered gelcoats the risk of solvent/moisture entrapment after painting is much higher than when gelcoat is new.



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### Application

#### Use and Specifications:

#### Aged/Weathered Gelcoats:

As a result, this entrapment could lead to blistering of the paint film. To reduce the risk of paint film blistering it is recommended that 3 coats of **Primário Epoxi 2 Comp. Timiprotect Cinza (3:1)** are applied. Following apply two coats of **Subcapa 1C Timi-Cote** thinned to 10% with the recommended thinner according to the type of application. Thin the 1st coat of **Esmalte 2C Timiperfection PU Timicor** to 25% with the recommended thinner according to the type of application. Then apply a minimum of 3 to 4 coats.

#### Application:

**Bare Wood**

**Aluminium**

**Grp**

**Aged/Weathered Gelcoats**

3 to 4 Coats

#### Application Method:

Brush, Roller or Conventional Spray

#### Utensils/Tools Cleaning:

The utensils/tools must be cleaned with **Diluyente 2K Normal T420** or **Diluyente Celuloso** immediately after the application.

### Observations

After mixing the components, allow about 5 - 10 minutes for release of the foam and the reaction products. Only then start its application.

Do not apply on conventional paints (single component). Do not apply if there is the possibility of condensation forming on the substrate because it can cause gloss losses in the cure, which will take place at night.

The temperature of the product should be between 15 ° C and 35 ° C. The application temperature should be above 5 ° C and below 35 ° C. The temperature of the substrate should be above 5 ° C and below 30 ° C.

Avoid painting in direct sunlight.

Failure to apply the recommended number of coats will impact the durability and strength of the paint system (Enamel).

Because of its polyurethane nature, **Hardener** leftovers in incomplete packs have a very short shelf life and storage stability because they react with the moisture present in the air.

#### 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.

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 of application are beyond our control, the company cannot under any circumstances be held responsible for the obtained final results in its use.