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## INDUSTRIAL COATINGS

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### FINEPOX, series 700.300

#### Description and main features

Two pack polyamide epoxy enamel.

Good wetting properties, high chemical and physical strength. Curing agent **701461** helps limiting the yellowing. The application on wet surfaces or in cold environment is not recommended.

**Recommended use:** as a finish coat on top of an epoxy primer; it can be also applied on bare steel and, further to testing to ensure adhesion, on other metals. Indoor use is suggested to avoid chalking.

#### Technical data

<b>Finish</b>	Glossy, above 80 gloss, according to ISO 2813 (*) (**)
<b>Color</b>	RAL shades - Other shades on request (*) (**)
<b>Specific gravity</b>	1,28 ± 0,05 kg/dm <sup>3</sup> at 23°C, referring to 700311 RAL 1015 cured with 701450-701461 according to ISO 2811-1 (*)
<b>Solid content</b>	<b>By weight</b> 64± 3% referring to 700311 RAL 1015 cured with 701450-701461(*)
	<b>By volume</b> 49 ± 3 referring to 700311 RAL 1015 cured with 701450-701461 (*)
<b>VOC</b>	360 g/kg referring to 700311 RAL 1015 cured with 701450-701461 (*)
<b>Viscosity</b>	Brookfield on the base at 23°C (spindle 3, 0.5 RPM) : 30.000-80.000 mPas according to internal method MS 007 (*) (**)
<b>Drying time</b>	At 20°C ,50% RH, good ventilation, DFT 70 µm, referring to 700311 RAL 1015 cured with 701450-701461 (*)
	<b>Touch dry:</b> 8 h according to internal method MS 035 based on ISO 4622 <b>Hard dry:</b> 15 h according to internal method MS 036 based on ISO 4622 (*)
	<i>Drying times can vary depending on DFT and environmental conditions</i>

#### Mixing and thinning

<b>Mixing Ratio</b>	<b>By weight:</b> 100:40 with 701450-701461 <b>By volume:</b> 1,5:1 with 701450-701461 <i>Mix carefully before and after the curing process</i>
<b>Pot life</b>	> 8 h at 20°C - <i>Data vary with temperature and thinning.</i>
<b>Thinning</b>	10-15% by Thinner 900033 or 901040 winter type 10-15% by Thinner 903015 or 901042 summer type 10-15% by Thinner 903014 slow <i>Chose the thinner according to the environmental and application conditions in order to allow at least 5-10' drying time.</i>



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### Application data

<b>Method</b>	Airless or air mix <i>Roller or brush application not recommended for metallic shades; for other shades specific curing agent and thinners must be used.</i>	
<b>Airless or air mix</b>	<b>Pump ratio</b>	30:1
	<b>Nozzle orifice</b>	011-013"
	<b>Nozzle pressure</b>	140-180 atm
	<i>Filters must fit the used nozzle.</i>	
<i>Indicative data; it is the user's responsibility to choose the right equipment.</i>		
<b>Suggested Primers</b>	Epoxy series 706.000, series 703.000 or series 7073.000, Vinyl Epoxy series 704.000, Intermediate Epoxy series 706.250,706.300 AR or 703.000.	
<b>Application conditions</b>	Application suggested between 5°C and 30°C and at least 3°C above dew point. Substrate perfectly dry and clean, no rain nor fog. Temperatures below 5°C and high RH can impair the film formation. The product can be over coated by itself between 12 and 72 h from the application, at 20°C, 50% RH, and good ventilation. After 72 h a surface roughening and a careful cleaning are needed before over coating. Data vary with DFT and environmental conditions	

### Recommended DFT

<b>Recommended DFT</b>	60-80 µm
<b>Theoretical consumption</b>	Approx. 155-210 g/m <sup>2</sup> referring to 700311 RAL 1015 cured with 701450-701461(*)
<b>Practical spreading rate</b>	30-40% lower than the theoretical, by airless application.
<b>Number of coats</b>	ONE <i>Some very clear shades such as RAL 1021-2004-3020 etc. may require two coats to achieve an even coverage, mostly on dark primers and uneven surfaces.</i>

### Storage indications

Shelf life: 12 months (base only: 18 months), provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 5 and 35°C.

### Usability according to DL 27.03.2006 n°161

No limitations. It belongs to category **j**) Two component, high performance solvent based paints.  
2010 limit = 500 g/l



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(\*) indicative value, depending on the color - (\*\*) parameters subject to testing for each batch

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