

Technical data sheet • Rev. 04/18

# 223 ARSONEPOX PRIMER

EPOXY ANTICORROSIVE PRIMER

## USES

First layer, at medium-low thickness, of high quality painting cycles in General Industry and Anticorrosion market. Suitable for industrial vehicles, industrial machineries and carpentries.

## MAIN FEATURES

- Excellent adhesion on steel, galvanized steel, Aluminum and light alloys
- Excellent anticorrosive power
- Excellent leveling and low absorption of finishes
- Good sandability
- Suitable for use in any type of environment

## TECHNICAL DATA

• Codes	base product	223 ...
	hardener	223005 <sup>NOTE</sup>
	thinner	epoxy
• Mixing ratio	by weight	100 : 20
	by volume	100 : 33
• Pot-life	hours	8
• Solids by volume	%	49 ± 2
• Specific gravity	g/l	1350 ± 50
• Film thickness	micron	50
• Theoretical coverage	m <sup>2</sup> /l	9.8
	m <sup>2</sup> /kg	7.2
• Aspect		semi-matt
• Temperature resistance	°C	100
• Shelf-life (Temperature max 40°C)	months	12

### SURFACE PREPARATION

- NEW STEEL: sandblasting to near white metal.
  - OXIDIZED STEEL WITHOUT MILLSCALE: hand or mechanical brushing.
  - GALVANIZED STEEL, ALUMINUM AND LIGHT ALLOYS: mechanical roughening with scotch brite or light sandsweeping and careful degreasing.<sup>NOTE</sup>
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### APPLICATION CONDITION

- |                     |    |        |
|---------------------|----|--------|
| • Temperature       | °C | 5 ÷ 35 |
| • Relative humidity | %  | 0 ÷ 85 |
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### APPLICATION METHODS

- |                      |                    |               |
|----------------------|--------------------|---------------|
| • Conventional spray |                    |               |
| - Nozzle             | inches             | 0.070         |
| - Air pressure       | kg/cm <sup>2</sup> | 3.5 ÷ 5       |
| - Thinning by weight | %                  | 5 ÷ 10        |
| • Airless            |                    |               |
| - Nozzle             | inches             | 0.018 ÷ 0.023 |
| - Fluid pump         |                    | 30 : 1        |
| - Air pressure       | kg/cm <sup>2</sup> | 150 ÷ 170     |
| - Thinning by weight | %                  | 0 ÷ 5         |
| • Brush and roller   |                    |               |
| - Thinning by weight | %                  | 0 ÷ 5         |
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### DRYING TIME (T. 20°C - R. H. 60%)

- |                        |       |         |
|------------------------|-------|---------|
| • Touch dry            | hours | 30' ÷ 1 |
| • Hard dry             | hours | 18 ÷ 24 |
| • Overcoating time/min | hours | 8 ÷ 12  |
| • Overcoating time/max | hours | -       |
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### RECOMMENDED PRIMERS AND TOPCOATS

- 267 ARSONPUR AC - 251 ARSONPUR HS - 268 ARSONPUR PLUS - 254 ARSONPUR GLOSS - 271 ARSONEPOX ULTRA GLOSS - 241 ARSONSINT ULTRA GLOSS R.E.
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### NOTES

- 221003 and 223007 fast hardeners at 20% by weight.
  - 278004 universal hardener at 15% by weight.
  - Adhesion practical proof is always suggested in case of Aluminum and light alloys in general, because of their composition's variability.
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### WARNINGS

This sheet gives the technical data based on our best technical and practical experience. However, due to the variable environment conditions or individual application systems we cannot bear any direct or indirect liability or give any guarantee for the use of our products. The customer has to verify the product's suitability for the requested use. For more technical information and details please contact our technical service.