

## Technical data sheet • Rev. 10/12

# 296 ARSONSIL 250

MODIFIED SILICONE PAINT, RESISTANT UP TO 250°C

### USES

Suitable for coating of chimneys and industrial plants subject to high temperatures, boilers and piping for superheated steam or heat transfer fluids.

### MAIN FEATURES

- Direct adhesion on steel
- Good outdoor and chemical resistances
- Wide range of colors
- High compatibility with zinc based primers
- Easy to apply

### TECHNICAL DATA

• Codes	base product	296 ...
	hardener	-
	thinner	nitro or R.E.
• Mixing ratio	by weight	-
• Pot-life	hours	-
• Solids by volume	%	54 ± 2
• Specific gravity	g/l	1400 ± 50
• Film thickness	micron	30
• Theoretical coverage	m <sup>2</sup> /l	18
	m <sup>2</sup> /kg	12.9
• Aspect		semi-matt <sup>NOTE</sup>
• Temperature resistance	°C	250
• Shelf-life (Temperature max 40°C)	months	12

#### SURFACE PREPARATION

- NEW STEEL: commercial sandblasting
  - OXIDIZED STEEL WITHOUT MILLSCALE: hand or mechanical brushing
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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 ÷ 5.2     |
| - Thinning by weight | %                  | 5 ÷ 10        |
| • Airless            |                    |               |
| - Nozzle             | inches             | 0.018 ÷ 0.021 |
| - Fluid pump         |                    | 30 : 1        |
| - Air pressure       | kg/cm <sup>2</sup> | 140 ÷ 170     |
| - Thinning by weight | %                  | 0 ÷ 5         |
| • Brush and roller   |                    |               |
| - Thinning by weight | %                  | 0 ÷ 5         |
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#### DRYING TIME (T. 20°C - R. U. 60%)

- |                        |       |       |
|------------------------|-------|-------|
| • Touch dry            | hours | 1 ÷ 2 |
| • Hard dry             | hours | NOTE  |
| • Overcoating time/min | hours | 24    |
| • Overcoating time/max | hours | -     |
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#### RECOMMENDED PRIMERS AND TOPCOATS

- 228 ARSONEPOX ZINK PRIMER
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#### NOTES

- Possible colour change at 130°C, depending on shade and exposure times.
  - The product achieves its complete polymerization after 30' at minimum 180°C.
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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.