

## Product's description

**Acrylic, silicone, aluminium-coloured, heat resistant (up to 300 °C) finish**  
**Atriasilver 300** is composed by acrylic-silico resins and metallic aluminium based pigments, providing the product with wide compatibility with organic – inorganic zinking products, high resistance in industrial and sea environments, excellent sunlight reflection.

## Practical advice

Suitable for internal and external metallic surfaces, subject to operating temperatures up to 300 °C, such as chimney flues, silencers, stoves, heaters, etc.

## Technical features

Aspect		Glossy
Color		Aluminium ral 9006
Density Kg/Lt		1,10 ± 0,05
Viscosity 25°c		10 sec. ford 4
Solid content by volume %		32 ± 2 %
Theoretical spreading rate Sq.m./l – gr/m <sup>2</sup>		12,8 Sq.m./l – 86 g/m <sup>2</sup>
Typical thickness humid/dry micron		80 humid / 25 dry
Mixing ratio Base/Hardener		Single-component product
Pot Life		Not applicable
Thinner		DCC 301 synthetic or DNT 320 nitro thinner
Painting method	Brush	0 – 3 % thinning
	Roller	0 – 3% thinning
	Spray	3 - 8 % thinning
	Airless Spray	Nozzle's diameter 1,1 – 1,3 mm
		Air Pressure 3 – 4 kg/ m <sup>2</sup> (atm)
		0 - 5 % thinning
Drying times 25°C	Untouched :	Nozzle's diameter 0,4 – 0,5 mm
		Compression Ratio 30:1
		Exit Pressure 120 – 150 kg/ m <sup>2</sup> (atm)
	Dry to the touch :	1 hour at 10 °C 3 hours
	Absolutely dry :	6 hours at 10 °C 15 hours
		24 hours at 10 °C 48 hours
Heat resistance		300 °C outdoors
Min./ Max. over-coating times		18 hrs. / no limitation.
Flash point		30 °C
Shelf life		12 months
Standard package		kg 25 – kg 5

## Notes

During cold seasons, the product's viscosity notably increases, therefore it is highly recommended to warm the enamel up to 20 – 25° C, before application, to avoid an excessive dilution.

## Application instructions

### Preparation of the surfaces

Iron: sanded and primed with organic (Zincometal) or inorganic zincking products (Inorzinc) or with a high temperature silicone primer (Primesil). Apply one or two coats of **Atriasilver 300**, reaching a dry thickness of 50 micron.

Application note: Apply the product between + 0 °C e + 50 °C, with relative humidity below 80%.

Do not apply during rainy, windy days nor under the direct sunlight.

After application warm the surface up to at least 200 °C, to obtain the complete film hardening. Apply in a well ventilated place; during indoor application, a forced air circulation through exhaust or ventilation systems must be provided.

Protect skin, face and eyes with proper protective means, such as goggles, masks, gloves, waterproof overalls, barrier creams.

In case of sanded surfaces, apply two coats of **Atriasilver 300** allowing 24 hours drying between coats, reaching a dry thickness of 80 micron, so that the sanding profile can be perfectly coated.

## It is recommended for

Industrial marine atmosphere of structures, subject to operating temperatures up to 300 °C

## It is not recommended for

Immersion or contact with direct aggressive sprinklings and fumes.

## Recommended primers and finishes

Zincometal, Inorzinc, Primesil, Monozinc.

## Safety precautions

The product is inflammable. Respect the safety norms in force. Do not waste residues nor rests of the product, after its use, in the surrounding environment; during application (especially spray application), it is necessary to air properly the working area.

For any further information, see the technical data.

## Tender item

Application of **Atriasilver 300**, silicone, acrylic finish with metallic aluminium based pigmentation, heat resisting up to 300 ° C, to be applied over sanded and primed iron surfaces (indoors and outdoors), with a consumption of 0,170 kg/Sq.m., in a thickness of 50 micron, excluded practical operating loss.

(\*) These information, even if reliable, are absolutely approximate. The company owns the right to change them without any notice. Moreover, it is not responsible for the use of the present information. The user must previously test the product's suitability, before using it. For any further explanations or requirements on the products, please contact the staff of our technical lab.