

# ALLUMINIO SILICONICO

Silicone paint withstanding up to +600°C

## NATURE AND USE

Air drying silicone based enamel, with Aluminium pigments, characterised by elevated resistance to high temperatures, up to a maximum of +600°C.  
Indicated as finish to protect structures exposed to atmosphere and operating at the indicated exercise temperatures.

## TECHNICAL DATA



Specific Gravity:	Kg/l	1,05 ± 0,05 @ +20°C
Solids by Weight:	%	35 ± 2%
Solids by Volume:	%	22 ± 2%
Max. Exercise T°. in continuous:	°C	+600°C (In air, dry conditions)
Appearance/Colour of the applied product:	Semi-Glossy RAL 9006	

## SUBSTRATE PREPARATION

The enamel must be directly applied on steel duly prepared and roughened with sandblasting SA 2,5 (medium roughness profile 30-40 µm Rz) or on steel previously treated with a suitable inorganic zinc reach primer (in this latter case, only for coating systems in air withstanding at the max T° of +400 °C)

## PRODUCT PREPARATION

Accurately homogenize the product before use and after its thinning if done.

## APPLICATION DETAILS

Application:	Standard Airless Spray with compression ratio 30:1 minimum Conventional Spray Roller, Brush only for touch up on small areas or Stripe Coat of welding and difficult areas
Spray:	In case of Spray application avoid a new coat
Cleaning:	Thinner 4427/E
Thinning:	Normally not required Eventually only up to 3% Max.
Drying @ + 25°C:	Surface dry ~ 2 - 4 hours Through dry 36-48 hours The complete curing and final performances of the coating are reached at first exposition of the coating at ~ +100/+150 °C for at least 30 minutes
Overcoating @ +20°C:	~24 hours Min. / 36 hours Max.
Application Ambient Temperature:	Between +5°C and +35°C
Suggested Temperature of the product:	+20 ÷ +30°C
Substrate Temperature:	+5 / +40°C always at least +3/5°C above dew point
Relative Humidity:	≤ 85%
Thickness of the dry film per coat:	25 - 35 µm dry (DFT)
Theoretical spreading rate:	sqm/Kg 10 -11 at 30 µm dry (DFT)

More info by writing to [sales@industribrunostoppainipaints.com](mailto:sales@industribrunostoppainipaints.com) or by calling +39 030 9745116

MTDS 01018/ Page 1 of 2

The content of the present technical data sheet is the most complete currently available, based on practical experience and given in good faith. Should any change be necessary, the present data sheet will be updated without prior notice. The applying conditions of use differ according to environmental conditions and subjective application factors outside the control of the Company. The user shall determine the suitability of the product for the intended use under his own risk and responsibility. No warranty is impressed or implied. The Company refuses all liability not directly related with defects of the product or consequent to deviations from written instructions.



INDUSTRIE BRUNO STOPPANI R.P.S. S.r.l.

Sede Operativa: Via Industriale 90-119 25020 Capriano del Colle (Bs) – Italy - Phone +39 030 9745116 – Fax +39 030 9745383

[sales@industribrunostoppainipaints.com](mailto:sales@industribrunostoppainipaints.com) - [www.industribrunostoppainipaints.com](http://www.industribrunostoppainipaints.com)

Company with quality management system UNI EN ISO 9001:2015 certified

# ALLUMINIO SILICONICO

Silicone paint withstanding up to +600°C

## HANDLING STORAGE AND SAFETY PRECAUTIONS

**Warning:** All handling and/or use activities of the product must strictly refer to the given indications in the Safety Data Sheet. The following advices are suggested by the common sense and in good faith, they are uncompleted and do not substitute the content of the specific safety data sheet of the product.

**Handling:** The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental Standards and Regulations.

**Precautions:** When the product is used inside enclosed areas ( i.e rooms, containers, vessels) it is imperative to provide the necessary air circulation using adequate means and must be granted during the whole time required by application and coating polymerization, to avoid conditions open to potential explosion danger.

All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are imperative.

**Storage and transport:** Keep far from flames, sparks or heat sources. Do not leave exposed under the direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at ambient temperatures between +5°C and +35°C.

**Shelf life:** 12 months in the suggested storage conditions (original unopened packaging)

N.B.: Product for professional use only  
and exclusively for the uses not regulated under CE Directive 2004/42/CE.

Refer to Material Safety Data Sheet



Access catalogues, datasheets and company presentations

MTDS 01018/ Page 2 of 2

The content of the present technical data sheet is the most complete currently available, based on practical experience and given in good faith. Should any change be necessary, the present data sheet will be updated without prior notice. The applying conditions of use differ according to environmental conditions and subjective application factors outside the control of the Company. The user shall determine the suitability of the product for the intended use under his own risk and responsibility. No warranty is impressed or implied. The Company refuses all liability not directly related with defects of the product or consequent to deviations from written instructions.



INDUSTRIE BRUNO STOPPANI R.P.S. S.r.l.

Sede Operativa: Via Industriale 90-119 25020 Capriano del Colle (Bs) – Italy - Phone +39 030 9745116 – Fax +39 030 9745383

[sales@industri brunostoppa paints.com](mailto:sales@industri brunostoppa paints.com) - [www.industri brunostoppa paints.com](http://www.industri brunostoppa paints.com)

Company with quality management system UNI EN ISO 9001:2015 certified