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Heat Resistant Silicone Paint, series 761264

Description and main features

Silicone based paint

Recommended use: as a long term protection of hot surfaces such as chimneys, furnaces, cracking plants etc. The specific formulation allows an easy electrostatic application or by automated robotic systems

Technical data

Finish	Flat (*) (**)
Color	Aluminum (*) (**)
Specific gravity	1,06 ± 0,05 kg/dm ³ at 23°C according to ISO 2811-1(*)
Solid content	By weight 34 ± 2% (*)
	By volume 22 ± 2%(*)
VOC	660 g/Kg (*)
Viscosity	15-30 at 23°C DIN cup n°2 according to ISO 2431 (*) (**)
Drying time	At 23 °C ,50% RH, good ventilation, DFT 25 µm, Touch dry: 20' - 45' Best performance are achieved when the surface is hot; the paint can be dried in the oven (ex. 40' at 180°C) to improve the mechanical features of the film.

Thinning

Thinning	10-20% by Thinner S EC code 901032 at application viscosity
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Application data

Method	Air spray, airless or electrostatic.	
Airless or airmix	Pump ratio	30:1
	Nozzle orifice	011-013"
	Nozzle pressure	140-180 atm
	<i>Filters must fit the used nozzle.</i>	
<i>Indicative data; it is the user's responsibility to chose the right equipment.</i>		



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Suggested Primers	None. It can be applied on top of Inorganic Zinc Silicate 760205
Application conditions	Sandblasting to SA 2 ½ according to ISO 8501-1: 1988 or on top of Inorganic Zinc Silicate 760205 applied at least 48 h before.

Recommended DFT

Recommended DFT	20-30µm
Theoretical consumption	95-145 g/m ² (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE

Specific tests

The paint, if correctly applied, withstands temperatures up to 400°C. Temperatures higher than 350°C can cause slight colour variations.

Storage indications

Shelf life: 8 months, provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 5 and 35°C.

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

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