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Heat Resistant Silicone Paint, series 761211

Description and main features

Silicone based paint

Recommended use: as a long term protection of hot surfaces such as chimneys, furnaces, cracking plants etc.

Technical data

Finish	Semi-gloss 28-32 gloss according to ISO 2813 (*) (**)
Color	Black (*) (**)
Specific gravity	0,96 ± 0,05 kg/dm ³ at 23°C according to ISO 2811-1(*)
Solid content	By weight 25 ± 2% (*)
	By volume 20 ± 2%(*)
VOC	750 g/kg (*)
Viscosity	50-70 at 23°C DIN cup n°4 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 air mix	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>		
Suggested Primers	None. It can be applied on top of Inorganic Zinc Silicate 760205	



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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.
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Recommended DFT

Recommended DFT	20-30 µm
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 450°C (up to 400 °C when applied on top of Inorganic Zinc Silicate). Temperatures higher than 280°C can cause slight colour variations. Inorganic Zinc Silicate 760205 followed by Silicone Paint 761211 complies with Paint System C12 of Italimpianti Paint Specification GSK-ITING 005, when applied accordingly.

Storage indications

Shelf life: 6 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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