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Zinc Phosphate Alkyd Primer, series 194.000

Description and main features

One component primer based on modified short oil alkyd resins modified by resins and phenolic dispersions. Good resistance to weathering and easily re-coatable; the presence of zinc phosphate ensures an high protection against corrosion and anodes attack.

Recommended use: as a primer on steel structures where a good corrosion protection is required.

Technical data

Finish	Flat
Color	RAL shades - Other shades on request (*) (**)
Specific gravity	1,49 ± 0,05 kg/dm ³ at 23°C, referring to 194131 RAL 7035 according to ISO 2811-1 (*)
Solid content	By weight 71 ± 3% referring to 194131 RAL 7035 (*)
	By volume 52 ± 3% referring to 194131 RAL 7035 (*)
VOC	290 g/kg referring to 194131 RAL 7035
Viscosity	Brookfield at 23°C (spindle 3, 0.5 RPM) : 30.000-80.000 mPas according to internal method MS 007 (*) (**)
Drying time	At 23 °C ,50% RH, good ventilation, DFT 50 µm, referring to 194131 RAL 7035 Touch dry: 10'-20' Deep dry: 1-2 h Hard dry: 48 h according to internal method MS 036 based on ISO 4622 (*)
	<i>Drying times can vary depending on DFT and environmental conditions</i>

Thinners

Thinning	5 -10% by Thinner 900033 or 901040 winter type 5 -10% by Thinner 903015 or 901042 summer type 5 -15% by Thinner 903014 slow <i>Chose the thinner according to the environmental and application conditions in order to allow at least 5-10' drying time.</i>
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Application data

Method	Airless or air mix	
Airless or air mix	Pump ratio	30:1
	Nozzle orifice	013-015"
	Nozzle pressure	140-180 atm
	<i>Filters must fit the used nozzle.</i>	
<i>Indicative data; it is the user's responsibility to choose the right equipment.</i>		
Suggested Primers	None	
Suggested Topcoats	Retron Acrilico series 777.000 or 778.000, Polyurethane series 732.000 or 733.000, Epoxy series 700.000, 700.300, 702.000, 705.000 or 702.800, Agrizan series 168.000 or 169.000.	
Application conditions	Application suggested between 5°C and 30°C and at least 3°C above dew point. Substrate perfectly dry and clean, no rain nor fog. The product can be over coated after 12-24 h and a careful surface cleaning.	

Recommended DFT

Recommended DFT	40-60 µm
Theoretical consumption	approx. 115-175 g/m ² referring to 194131 RAL 7035 (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE or TWO

Specific tests

Zinc phosphate content

≥ 7,5% dry.

Storage indications

Shelf life: 12 months, provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 5 and 35°C.

Usability according to DL 27.03.2006 n°161

No limitations. It belongs to category i) One component, high performance solvent based paints.
2010 limit = 500 g/l

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



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