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Veneziani

INDUSTRIAL COATINGS

Issued 03.12.2014

WATER-BORNE PRIMER, SERIES 485000

Description and main features

Product formulated with aqueous emulsions of modified acrylic resins suitable to be applied on every type of support. Contains pigments with strong anticorrosive properties.
For its characteristics is suitable to be used as a DTM single coat or in paint systems where the ecological/environmental impact is important without losing the performances of protection and resistance.
It shows a very good resistance to neutral salt spray test.

Technical data

Finish	Flat, according to standard ISO 2813 (*) (**)
Color	RAL colors, other on request(*) (**)
Specific weight	1,10 ± 0,05 kg/dm³ at 23°C
Solid content	**By weight** 60 ± 3%
	By volume 56 ± 3%
VOC	44 g/kg (*)
Drying time	*At 23°C, 50% R.H., good ventilation, DFT 50µm* **Dust free**: 30'-50'
	Drying time depends to DFT and environmental conditions *The product is suitable to be used in coating systems dried with hot air*

Thinning

Thinning	By water to the destre viscosity (depends to the application method)

Application data

Method	Airless pump, airmix pump, brush, roller	
Airless o airmix	**Min. pump ratio**	30:1
	Nozzle orifice	013-015"
	Nozzle pressure	140-180 atm
	Filters must fit the used nozzle.	
	Indicative data; it is the user's responsibility to chose the right equipment.	
Suggested primers	None, self-priming	

Surface preparation, application conditions and overcoating time	It is recommended to apply with temperatures between 10°C and 30°C and at least 3°C above the dew point on perfectly clean and dry substrate. A previous surface preparation up to a grade SA 2 ½ according to ISO 8501-1: 1988 allows to obtain a cycle with the highest performance in terms of resistance to chemical-mechanical stress. **Temperatures below 10°C and relative humidity above 70% inhibit the process of film formation.** Can be overcoated after 48-96 hours, varying with the temperature, humidity and ventilation, with itself, with water born acrylic enamels and with most of the solvent based products (ex. Fast drying enamels, polyurethane). The minimum overcoating time can be considerably shortened by drying with hot air (Ex. 30min. to 70°C - 80°C).

Recommended DFT

Recommended DFT	40-60µm
Theoretical consumption	80-120 g/m² (*)
Practical spreading rate	30-40% lower than the theoretical, if properly used, depending on the shape of the support, over spray and the difficulty of obtaining a homogeneous layer thickness.
Number of coats	One

Specific tests

Heat resistance: up to 200°C according to ISO 3248 for white – grey – black shades.
Other shades upon testing only.

Storage conditions

Shelf life: 8 months provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 10 and 30°C. Susceptible to frost damage.

Definition according to DL 27.03.2006 n°161

No limitations. It belongs to category **d)** Indoor/Outdoor water borne finishes for wood or plastic.

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

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