www.zetagi.it

INDUSTRIAL COATINGS

Issued 03.12.2014

Water Borne Primer, series 486.000

Description and main features

Product formulated with aqueous emulsions of modified acrylic resins suitable to be applied on every type of support. For its characteristics is suitable to be used as a single coat or coating cycles in which the problem is particularly felt ecological-environmental, without for this apart from high characteristics of resistance and protection.

Technical data

Finish	Flat (*)
Color	RAL shades, other shades on request(*) (**)
Specific gravity	1,10 ± 0,05 kg/dm³ at 23°C, referring to black
Solid content	**By weight** 60 ± 3% referring to black
	By volume 56 ± 3% referring to black
VOC	43 g/kg (*)
Viscosity	At 23°C DIN cup n°4: 60-90" according to ISO 2431 (*) (**)
Drying time	*At 23°C ,50% RH, good ventilation, DFT 50 µm*, **Dust free: 30-50'**
	Drying times can vary depending on DFT and environmental conditions The product is suitable for use in coating systems with hot air

Thinning

Thinning	By water at application viscosity

Application data

Method	Airless or air mix, brush, roller	
Airless or air mix	**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
Application conditions	Is recommended to run the application with temperatures above 20 ° C; However it is also possible between 10 ° C and 25 ° C, however, at least 3 ° C above the dew point, atmospheric or rainy or foggy, on perfectly clean and dry substrate. A previous sand-blasting of the substrate 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. Temperatures below 10°C and relative humidity above 70% inhibit the process of film formation. Can be painted over after 48-96 hours, varying with the temperature, humidity and ventilation, with itself, with water born acrylic enamels and with most of the products to the solvent (ex. Fast drying enamels, polyurethane). The minimum time to the paint which can be considerably shortened by drying with hot air; for example, 30 'to 70° - 80°C.

Recommended DFT

Recommended DFT	40-60 µm
Theretical consumption	approx. 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 indications

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.

Usability according to DL 27.03.2006 n°161

No limitations. It belongs to category **d)** Indoor/Outdoor water borne finishes for wood or plastic.
2010 limit = 130 g/l

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

The information in this data sheet about the use of our products are based on our present scientific knowledge and practice. Zetagi accepts no commitment and / or responsibility on the final result of the work

with our products. It is the customer's responsibility to verify the suitability of our products for the intended use. All the products and the advice given are subject to our general conditions of sale which we recommend you to request and read carefully. This data sheet replaces and annuls the previous ones: it is the user's responsibility to ensure that this sheet is updated prior to using the product. This data sheet is a translation; the Italian text of this document shall prevail over any translation thereof.