



TECHNICAL DATA SHEET

5XS4H

VIVEPOX SIGNAL PRIMER

Creation date
Rev.

17/01/24
0

GENERAL CHARACTERISTICS		
High-performance epoxy paint, particularly suitable for ceramic and mineral surfaces due to its excellent adhesion and durability. Its abrasion resistance makes it ideal for high-traffic environments or surfaces subject to wear. In addition, its resistance to chemicals makes it an excellent choice for industrial or laboratory environments, where it may be exposed to aggressive chemicals. Finally, its resistance to corrosion makes it suitable for applications in wet or marine environments. In summary, epoxy paint offers a durable and reliable coating solution for a wide range of applications.		
FINISHED PRODUCT FEATURES		
		NOTES
SPECIFIC WEIGHT	1.55 ± 0,1 Kg/L	1.45 ± 0.1 Kg/L (A+B)
VISCOSITY	R4 4000 cP at T. 20°C	Brookfield method
SOLID CONTENT	75 ± 1% (weight) 62 ± 1% (in volume)	Theoretical (A+B)
YEALD: (100 µm dry)	5 m ² /Kg 50 m/Kg	Theoretical
CATALYSIS RATIO	By weight: 100 (5XS4H) + 20 (HDR5N020) By volume: 100 (5XS4H) + 30 (HDR5N020)	
AVAILABLE DYES	Oxyde gray, RAL 7035, red oxyde, at sample	
PRODUCT NATURE	Epoxy resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
<i>RESISTANCE</i>	
ATMOSPHERIC AGENTS	Good
NORMAL INDUSTRIAL ATMOSPHERE	Excellent
HEAVY INDUSTRIAL ATMOSPHERE	Excellent
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Good
ALTERNATING IMMERSION IN WATER	Excellent
CONTINUOUS IMMERSION IN WATER	Good
ORGANIC ACIDS	Medium
INORGANIC ACIDS	Very good
ALCALI	Very good
ALIFATICALS	Very good
AROMATICS	Good
ALCOHOLS	Good
ACID SALTS	Excellent
ALCALINI SALTS	Excellent
OILS AND FATS	Very good
BENDING 4 mm (ISO 1519/89)	OK
GRID (DIN 53131 - UNI 630) (0=100% adhesives; 5= 0% adhesives)	0



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TEMPERATURES	<p>VIVEPOX FONDO can withstand continuous temperatures from -50 to +90 °C, for temperatures below -50 or above +90 °C, the functionality of the coating is not guaranteed.</p> <p>The product is able to withstand even peaks of 120-130°C for 5-10 minutes.</p>
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APPLICATION MODE	
BRUSH ROLLER	Dil. 5/10% with EPOXY THINNER
SPRAY	Dil. 10-20% with EPOXY THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm
SPRAY AIRLESS	Dilution 5% with EPOSSIDIC THINNER Nozzle pressure: 150 atm Nozzle size: 0.025-0.030" Spray angle: 40 -80°
POT LIFE	4 Hours (high temperatures can also significantly reduce the time of use)
HARDENING	
DUST FREE	40 min
DEEP HARDENING	24 hours
COMPLETE HARDENING	15 days

OVERPAINTING
Overpaintable after 8 h and within 48 h (without sanding, after 48 h it will be necessary to roughen the surfaces by a slight mechanical roughening).
ENVIRONMENTAL CONDITION
Particularly cold temperatures or environments with high relative humidity can slow down or change the characteristics of the system, which is affected by atmospheric conditions during the painting phase, so it is advisable to apply and initial dry in environments with a temperature above 10-15 °C and a relative humidity of max. 75 %.At temperatures above 25-30 °C it is advisable to use a suitable retardant thinner or a larger quantity of the thinner normally used, in order to avoid the formation of dots and bubbles (pinpricks) on the paint film. Light rain, high humidity or the formation of condensation during the 16 hours following application (20°C) can irreversibly corrupt the film formation. The temperature must be at least 3 degrees above the dew point.

Vivcolor s.r.l.



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SURFACES PREPARATION

Surfaces must be dry, clean and free of crumbling parts or debris that could in any way cause the paint to detach. It is best to make the surface on which the product will be applied rough to facilitate absorption of the paint.

TOOLS CLEANINGS

The tools can be cleaned from the uncured product with NITRO THINNER.

STORAGE

In a cool and dry place, protected from direct sunlight and in a well sealed can, VIVEPOX is stable for at least 12 months, the CATALIZER at least 6 months.

The information on this data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The buyer/user decides independently the suitability of the product with respect to his own needs in the context of the specific field of use. Please refer to the relevant toxicological data sheet for safety information.