

VERNIDUR® AC D441

2C-PUR Finish satin matt / matt

Product Description

High quality, 2-component satin matt finish with excellent weather resistance. Very good chemical and mechanical properties. Resistant to diluted acids and chemicals. The cured coating is tough, flexible, abrasion-resistant, dirt-repellent and easy to maintain.

Areas of Application

Especially suitable for objects requiring strong resistance to weather, such as exterior wall elements as well as aluminium and steel windows.

May be applied as monolayer on chromated aluminium according to DIN 50939. Vernidur AC D441 may only be used on steel in conjunction with a suitable primer.

Application and Thinning

Conventional, electrostatic and Airless spraying. Brushing may be used for small areas.

Do not apply at temperatures below + 5 °C. The surface temperature must be at least 3 °C above dew point, in order to prevent condensation during application.

Delivery viscosity:	DIN 4	50 - 70 sec.
Thinning:	V2	Standard thinner
	V109	For a better taking up of spray mist at bigger surfaces, at higher temperatures during summer and for electrostatic spraying.

Application Method	Thinning	Nozzle	Pressure
Conventional spraying	with 15 - 25 % to 20 - 28° DIN 4	1.3 - 1.6 mm	2.5 - 4 bar
Electrostatic spraying	with 15 - 25 % to 20 - 28° DIN 4	depending on equipment	
Airless	up to 20 %, depending on equipment	Narrow 211 Medium 411 Wide 611	

Special Notes

Hardener H411 is **moisture-sensitive**.

Our instructions are referring to normal climate 23/50. The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may have a significant impact on the results. Our guarantee covers only the quality of the material supplied. We do not accept any responsibility for the application. In case of doubt, we recommend to contact our Technical Service. Our products are under constant development. Therefore, please note the date of issue of our technical data sheet and ask for latest edition (also available directly from our website).

Safety Measures

Vernidur AC D441 contains solvents and is combustible. Protect from heat and keep away from naked flames. Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	2C Polyacrylate-Isocyanate
Finish (DIN 67530, 60 °)	Satin matt, matt
Color	Color charts RAL, NCS or sample
Substrate	One layer on chromated aluminium according to DIN 50939 2-component primers, e.g. - Duopol Steelguard C80 - Biladur EP C90 - Vernit EP C400 Substrate must be dry, free of grease and dust.
Thinner	V2, V109
Packaging	Pigment: 5 / 10 / 20 kg disposable cont. Hardener: 1 / 2 / 4 kg disposable cont.
Storage	Pigment 12 months, hardener 6 months in original, unopened containers stored at 20 °C.
Waste disposal	Residues and expired material are considered as special refuse and must be treated as such, VeVa-code 08 01 11.

Components	2
Hardener	H411
Mixing ratio	5 : 1 wgt.-parts
Potlife	6 hours at 20 °C
Drying (20 °C)	Dust-free approx. 30 min. Dry to touch approx. 3-4 hours Transportable approx. 24 hours
Forced Drying	Drying times depend on film thickness, and substrate and air temperatures. Full resilience is guaranteed after 10 days. Possible, e.g. 30 min. @ 80 °C

Solids content	By weight: 61,0 % } mixture anthrazit-
Density (20 °C)	By volume: 52,5 % } grey, RAL 7016
Dry film thickness	1.2 g/cm ³
Theoretical consumption	35 - 60 µm approx. 120 g/m ² @ 50 µm

	Vernidur AC D441	H411	V2	V109
VOC value	37 - 43 %	27,5 %	100 %	100 %

(replaces issue 05.17)

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