

VERNIDUR® AC D444
2C-PUR Metallic Finish
Satin matt / Matt

Product Description

High quality 2-component finish with excellent weather resistance and attractive metallic effect. Very good chemical and mechanical properties. Resistant to diluted acids and chemicals. The cured coating is tough, flexible and abrasion-resistant.

Areas of Application

Especially suitable for objects requiring strong resistance to weather, such as exterior wall elements as well as aluminium and steel windows. Also suitable for decorative interior use such as pretreated wood or metal.

May be applied as monolayer on chromated aluminium according to DIN 50939. Vernidur AC D444 may only be used on steel in conjunction with a suitable primer.

Application and Thinning

Conventional, electrostatic and Airless spraying.

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 - 80 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 18 - 24" DIN 4	1.3 - 1.6 mm	2.5 - 3.5 bar
Electrostatic Spraying	with 15 - 25 % to 18 - 24" DIN 4	Depending on equipment	
Airless	up to 20 %, depending on equipment	Narrow Medium Wide	211 411 611

Depending on application method, variations in colour can arise with metallic paints. The dilution strength and choice of thinner, as well as other parameters in application related to the equipment, can significantly affect the gloss and the colour. Excessively wet spraying can cause an unsightly effect and cloudiness. If necessary, the paint for the final coat can be heavily diluted and atomized to achieve a lighter shade.

Special Notes

Hardener H411 is **moisture-sensitive**.

Our indications are based 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 influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for latest edition.

Safety Measures

Vernidur AC D444 contains solvents and is combustible, and must therefore be protected from heat and kept away from naked flames. Ensure that ventilation is adequate and 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	Silver fine, medium and coarse and 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: 4 / 8 kg disposable cont. Hardener: 1 / 2 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	4 : 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: 53,1 % } mixture white- By volume: 50,1 % } aluminium, 1.05 g/cm ³ } RAL 9006
Density (20 °C)	
Dry film thickness	35 - 60 µm
Theoretical consumption	ca. 100 g/m ² @ 50 µm

	Vernidur AC D444	H411	V2	V109
VOC content	45 - 50 %	27,5 %	100 %	100 %

(replaces edition 05.17)

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