

VERNIDUR® AC

2C-PUR for brushing and spraying

Product range

	Satin matt	Satin gloss	Gloss
Plain colors	D241	D231	D211
Micaceous	D243 *	D233 *	D213 *
Metallic	D244 *	D234 *	D214 *
Clear coat	D245 *	D235 *	D215 *

* on request

Product Description

High quality, 2-component top coat with excellent weather resistance as well as 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-clean.

Areas of Application

Specially suitable for objects requesting a high resistance to weather, such as elements of façades as well as aluminium and steel windows, vertical tanks and steel buildings.

On steel, Vernidur AC may only be used in conjunction with a suitable primer.

Application and Thinning

Brushing, rolling, spraying.

We recommend the use of short-fibre rollers such as Hola Velvet serie 10379.

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

Thinning: V109 for all kind of applications and V2 as rapid thinner for spraying. For electro-static use V109.

Method of application	Thinner (approx.)	Nozzle	Viscosity @ DIN 4
Brushing/Rolling	10 - 15 %	-	45" ± 5"
Gravity cup gun	25 - 30 %	1.6 - 1.8 mm	25" ± 5"
Double diaphragm pump	15 - 20 %	1.4 - 1.6 mm	35" ± 5"
Airmix/Airless	15 - 20 %	10/40	35" ± 5"

Metallic and micaceous paints are not suitable for the application on façades and should only be applied with a gravity cup gun or a double diaphragm pump.

Special Notes

Hardeners H300/H3 are **moisture-sensitive**. Our indications are based on 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 accept any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore, please note the date of issue of our technical data sheet and ask for the latest edition.

Safety Measures

Vernidur AC 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
Gloss degree (@ measuring angle)	Satin matt: 30 +/- 10 E (@ 60 °) Satin gloss: 50 +/- 10 E (@ 60 °) Gloss: > 80 E (@ 60 °)
Color	Color charts RAL, NCS or sample
Substrate	2-component primers, e.g. - Duopol Steelguard C80 - Biladur EP C90 - Vernit EP C400 - Qualiprotec Korrggrund Q220 Old coatings must first be sanded. Any damaged parts should be repaired with a suitable primer. The substrate must be dry and free of grease and dust.
Thinners	V109 / V2
Packaging	Pigment: 5 / 20 kg disposable containers Hardener: 1 / 4 kg disposable containers
Storage	Pigment 12 months, hardener 6 months in original, unopened containers stored @ 20 °C.
Waste disposal	Residues and expired material are considered as special refuse and are to be taken to the toxic waste disposal unit, VeVa-code 08 01 11.

Components	2
Hardeners	for spraying H3 for brushing H300
Mixing ratio	5 : 1 with H3 or H300
Potlife	ca. 4 hours (@ 20 °C)
Drying (@ 20 °C)	Dust-free approx. 30 min. Dry to touch approx. 3 – 4 hours Transportable approx. 24 hours Drying times depend on film thickness, substrate and air temperatures. Full resilience is guaranteed after 10 days.

Solids content	By weight: 76.2 % By volume: 63.4 %	D231 with H300, RAL 9016
Density (@ 20 °C)	1.36 g/cm³	
Theoret. consumption	90 g/m² @ 40 µm	

	Vernidur	H3	H300	V109	V2
VOC	32 %	27,5 %	10 %	100 %	100 %

(replacing version 07.18)

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