

Technical Data Sheet



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Data sheet Nr. 242001

AVKOTE 242 Marine

Product description	A High Quality, High Gloss 2K Varnish with UV filters and filler primer properties for content rich woods in a marine environment.		
Binding Agent	A 2K Polyurethane Resin		
Areas of Application	High-quality top-coat for interior and exterior wood used in marine environments but also for high quality furniture and interiors.		
Form of Supply	Colours	Clear	
	Gloss Level	Glossy	
Hardener	Avkote 243 Hardener		
Packing	Coating	1, 3 and 5 Litre disposable containers	
	Hardener	1 Litre disposable containers	

Technical Data

The data is valid for Avkote 242 Marine. The values can change for other colours.


	Coating		Hardener		Mixture			
Specific Gravity (23 °C)	0.97	g/cm ³	1.05	g/cm ³	1.02	g/cm ³		
Solids content	44	± 1 Weight-%	45	± 1 Weight-%	Appr 44	Weight-%		
Organic Solvent Content.	56	± 1 Weight-%	55	± 1 Weight-%	Appr 56	Weight-%		
VOC Content (CH / EU)	54.3	%	543	g/lt	58 %	580 g/lt	55 %	550 g/lt
Shelf life at 20 °C	12 Months		6 Months in well shut containers					
Theoretical Coverage	120 g/m ² 7-8 m ² /kg for		60 µm dry layer thickness					

Safety Data	Coating	Hardener
Flash point	- 5 °C	- 5 °C
Transport ADR/RID	Class: 3 VP: II	Class: 3 VP: II
VVS disposal code (EU/CH)	08, 08 01, 08 01 11	08, 08 01, 08 01 11



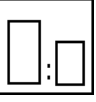
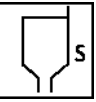


Application Recommendations






Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
Teak, Mahogany & Wenge	1 x Filler Varnish	Avkote 242 Marine Leave to dry for 1 Hour	30 - 40µm	242001
	1 x Top Coat	Avkote 242 Marine Leave to dry overnight (16 Hours) at room temperature. Sand with P240 – 280 If coloured top coat required	35 - 45µm	242001
	1 x Top Coat	Avkote WE or Avkote BSP	30 - 50µm	
For increased wear protection	1 x Lacquer	Avkote 1495 Lacquer	30 - 40µm	5494/1495
For further application proposals please ask our technical department.				

Preparation

	Substrate	Every substrate must be thoroughly cleaned, grease and oil-free, and dry before paint application commences.
	Teak & Wenge	Degrease with V 100, remove dust with a copper brush, then twice with V 100 Thinner.

Processing

	Preventative measures	We recommend the wearing of protective clothing even if not stipulated by law. The national and regional health and safety regulations for work hygiene and equipment are to be observed. Pay attention to our safety data sheet Nos: 242000 and 243H00
	Stir	Before ensure contents are stirred together well with hardener if applicable.
	Mixing Ratio	2 : 1 by volume with 243 hardener for very high chemical resistance.
	Pot life at 20 °C	approx. 9 Hrs.
	Thinners	Thinners 13000 / Thinners 95
	brush	5 – 10% Thinner 95
	Trowel	Undiluted
	Roll	5 – 10% Thinner 95

	Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
 Gravity Feed Spray-gun	18 – 23 secs	10% Thinners 13000	1.4 -1.8 mm	3-4 bar	3 to 4
 Suction-spray-gun	18 – 23 secs	10% Thinners 13000	1.4 -1.8 mm	3-4 bar	3 to 4
 Airless-(Airmix)-Spray	18 – 23 secs	10% Thinners 13000	9/11	3 – 4 bar Atomising air 1.5 bar	3 to 4
 HVLP paint gun	18 – 23 secs	10% Thinners 13000	1.4 -1.8 mm	3-4 bar	3 to 4
 Drying time	For 50 µm dry coating at 23 °C and 65 % of relative humidity				
At 20 °C	Tack-Dry after: 20 Minutes Touch – Dry after: 2 Hours Recoat after: 2 Hours Without intermediate sanding Recoat after: 16 Hours With intermediate sanding Hard after: 14 days				

Important references

Special Notes	Please note: Cherry Veneer cannot satisfactory be protected from colour change from sunlight. We cannot guarantee how long the Cherry Veneer will last before colour change starts. The same principle stands for a wood called SIPO, although the colour change is not as extreme.		
Special Limits	Surfaces stained with peroxide		
Minimum application- and drying temperature	15	°C	Do not apply at temperatures below the dew point
Coating removal	Metrofit Standard		
Equipment cleaning	Clean immediately after use with thinners 95 or 13000.		

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