

Technical Data Sheet



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Data sheet Nr. 242001F

AVKOTE 242 Furniture

Product description	A High Quality, High Gloss 2K Varnish with filler primer properties for furniture and joinery wood.		
Binding Agent	A 2K Polyurethane Resin		
Areas of Application	High-quality Filler Primer / top-coat for interior wood used in high quality furniture and interiors production.		
Form of Supply	Colours	Clear	
	Gloss Level	Glossy	
Hardener	Avkote 243 Hardener		
Packing	Coating	1 and 5 Litre disposable containers	
	Hardener	1 Litre disposable containers	

Technical Data

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


	Coating		Hardener		Mixture							
Specific Gravity (23 °C)	0.97	g/cm ³	1.06	g/cm ³	1.01	g/cm ³						
Solids content	43	± 1 Weight-%	45	± 1 Weight-%	Appr 44	Weight-%						
Organic Solvent Content.	56	± 1 Weight-%	45	± 1 Weight-%	Appr 53	Weight-%						
VOC Content (CH / EU)	55	%	550	g/lt	58	%	580	g/lt	56	%	560	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		50 µm dry layer thickness									

Safety Data	Coating	Hardener
Flash point	- 1 °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



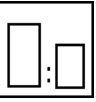
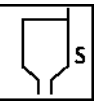




Application Recommendations




Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
Wood Veneer	1 x Stain	Aquakote Stain if necessary	25 - 30µm	8650 242001F
	1 x Primer	Spray Avkote 242 Furniture Intermediate sanding		
MDF panels	1 x Primer	Avkote 242 Furniture Intermediate sanding	25 - 30µm	242001F
	1 x Primer	Avkote 242 Furniture	25 - 30µm	242001F
	1 x Top Coat	Avkote FE	30 - 50µm	5393/LE
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.
	Veneer/panels	Must be well-sanded with 180-240 grain

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: 242001F and 243H00				
	Stir	Before ensure contents are stirred together well with hardener if applicable.				
	Mixing Ratio	2 : 1 by volume with 243 hardener.				
	Pot life at 20 °C	approx. 9 Hrs.				
	Thinners	Thinners 13000				
	brush	Original viscosity 15" DIN4, thin as required with thinners 95				
	Roll	Original viscosity 15" DIN4, thin as required with thinners 95				
		Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
	Gravity Feed Spray-gun	15 secs	Thinners 13000/95	1.6 -1.8 mm	3-4 bar	1-2
	Suction-spray-gun	15 secs	Thinners 13000/95	1.6 -1.8 mm	3-4 bar	1-2

	Airless-(Airmix)-Spray	15 secs	Thinners 13000/95	0.6-0.11	3 – 4 bar Atomising air 1.5 bar	3 1-2
	HVLP paint gun	15 secs	Thinners 13000/95	1.6 -1.8 mm	3-4 bar	1-2
	Drying time	For 50 µm dry coating at 23 °C and 65 % of relative humidity				
	At 20 °C	Tack-Dry after: 9 Minutes Touch – Dry after: 48 Minutes Dried (can be sanded) after: 2 Hours Recoat after: 2 ½ Hours Dry after: 5 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	Avkote 242 Furniture does not adhere to foil-coated panels. In that case, paint directly (after appropriate sanding and cleaning) with Avkote FE or Aquakote CT. When painting wood, if you desire to fill the wood use Avkote 1090 Spray Filler Primer.		
Minimum application- and drying temperature	15	°C	Do not apply at temperatures below the dew point
Coating removal	Metrofit or a Standard paint striper		
Equipment cleaning	Clean immediately after use with thinners 95 or 13000.		

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