

# Technical Data Sheet



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Data sheet Nr. 5453

## AVKOTE 1200 Series

<b>Product description</b>	A High Quality, Fire Standard 2K Clear Varnish for furniture and joinery.	
<b>Binding Agent</b>	A 2K Polyurethane Acrylic Resin Combination	
<b>Areas of Application</b>	<p>A high-quality base and top-coat for interior furniture, especially for chairs, benches, tables and contract furniture.</p> <p>The coating meets the standards of DIN 68861,1B, is perspiration and saliva resistant according to DIN 53160, formaldehyde-free as well as PVC and hand cream resistant.</p> <p>The varnish meets fire standard DIN 4102-1, Category B1.</p>	
<b>Form of Supply</b>	Colours	Clear
	Gloss Level	1205 - 10% Dull matt 1215 - 15% Matt 1220 - 25% Satin matt 1230 - 35% Satin Gloss
<b>Hardener</b>	Avkote 279 Hardener	
<b>Packing</b>	Coating	1 and 5 Litre disposable containers
	Hardener	1 Litre disposable containers

### Technical Data


The data is valid for Avkote 1215 Clear Lacquer and may differ for other gloss levels.							
	<b>Coating</b>		<b>Hardener</b>		<b>Mixture</b>		
<b>Specific Gravity (23 °C)</b>	0.96	g/cm <sup>3</sup>	0.99	g/cm <sup>3</sup>	0.96	g/cm <sup>3</sup>	
<b>Solids content</b>	30	± 1 Weight-%	45+2	± Weight-%	Appr 31	Weight-%	
<b>Organic Solvent Content.</b>	70	± 1 Weight-%	55	± 2 Weight-%	Appr 69	Weight-%	
<b>VOC Content (CH / EU)</b>	67.2	%	672	g/lt	53.5	%	535 g/lt
					66	%	660 g/lt
<b>Shelf life at 20 °C</b>	12 Months		6 Months in well shut containers				
<b>Theoretical Coverage</b>	150 g/m <sup>2</sup> 6.5 m <sup>2</sup> /kg for 40 µm dry layer thickness						

<b>Safety Data</b>	<b>Coating</b>	<b>Hardener</b>
<b>Flash point</b>	- 5 °C	0 °C
<b>Transport ADR/RID</b>	Class: 3 VP: II	Class: 3 VP: III
<b>VVS disposal code (EU/CH)</b>	08, 08 01, 08 01 11	08, 08 01, 08 01 11



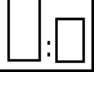
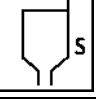


**Application Recommendations**







Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
Wood Substrates - Stained, open grain coating.	1 x Stain	Aquakote Stain Intermediate drying		8650
	1 x Lacquer	Avkote 1200 Series Sand with 220-280 grit	30-40 µm	5453
	1 x Lacquer	Avkote 1200 Series	30-40 µm	5453
Wood Substrates - Filled grain coating.	1 x Stain	Aquakote Stain (If applicable) Intermediate drying		8650
	1-2 x Sealer	Avkote 207 Sanding Sealer Sand with 200-400 grit	40-60 µm	5409
	1 x Lacquer	Avkote 1200 Series	30-40 µm	5453
Painted Substrates	1-2 x Top Coat	Avkote FE	40-60 µm	5393/LE
	1 x Lacquer	Avkote 1200 Series	30-40 µm	5453
For further application proposals please ask our technical department.				

**Preparation**

	<b>Substrate</b>	Every substrate must be thoroughly cleaned, grease and oil-free, and dry before paint application commences.
	Wood substrates	Sand with 150 – 180 grit, clean.
	Painted substrates	Lightly sand with 280 – 320 grit.

**Processing**

	<b>Preventative measures</b>	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. Refer to our safety data sheet 123001 and 279H00
	<b>Stir</b>	Stir paint and hardener thoroughly before use.
	<b>Mixing Ratio</b>	10 : 1 by volume with 279 hardener for very high chemical resistance.
	<b>Pot life at 20 °C</b>	approx. 72 Hrs.
	<b>Thinners</b>	Thinners 13000 (Fast) / Thinners 95 (Slow)
	<b>brush</b>	Not recommended
	<b>Roll</b>	Not recommended
		<b>Viscosity DIN-4</b>
		<b>Thinners</b>
		<b>Nozzle</b>
		<b>Pressure</b>
		<b>Spray coats</b>

	<b>Gravity Feed Spray-gun</b>	18 – 23 secs DIN-4	20%	1.4 -1.8 mm	3-4 bar	2
	<b>Suction-spray-gun</b>	18 – 23 secs DIN-4	20%	1.4 -1.8 mm	3-4 bar	2
	<b>Airless-(Airmix)-Spray</b>	18 – 23 secs DIN-4	10%	06-09	3 – 4 bar Atomising air 1.5 bar	2
	<b>HVLP paint gun</b>	18 – 23 secs DIN-4	20%	1.4 -1.8 mm	3-4 bar	2
	<b>Evaporation time</b>	Prior to forced drying at temperatures over 40 °C an evaporation time of 15 minutes must be observed.				
	<b>Drying time</b>	For 40 µm dry film coating at 23 °C and 65 % of relative humidity				
	At 20 °C	Tack-Dry	after:	10	Minutes	
		Touch – Dry	after:	20	Minutes	
		Sandable	after:	2	Hours	
		Recoat	after:	2	Hours	
		Resistant to Chemicals	after:	14	days	
	At 40 °C	Dry	after:	45	Minutes	

**Important references**

<b>Special Limits</b>	80% max. relative humidity		
<b>Minimum application- and drying temperature</b>	15	°C	Do not apply at temperatures below the dew point
<b>Coating removal</b>	Strip with Metrofit Standard		
<b>Recoating</b>	Lightly sand and spray with Avkote 1200 Series clear lacquer		
<b>Equipment cleaning</b>	Clean immediately after use with thinners 95 or 13000.		

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