

Technical Data Sheet



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Replaces Edition dated:

Data sheet Nr. W3990

AVKOTE SM-T Tint

Product description	A solvent based 2K coloured top coat with an elegant interior surface finish.	
Binding Agent	Polyurethane resin	
Areas of Application	High-quality top-coat for interior and exterior wood, as well as general joinery where a colour finish is required. The coating is peroxide resistant when applied to bleached woods. Test standard compliance: DIN 68861 Part 1B (Chemical Resistance) DIN 4102 B1 (low Flammability) DIN EN 71-3 (Migration behaviour)	
Form of Supply	Colours	RAL, BS and NCS colour charts. Other Colours available on request.
	Gloss Level	Glossy, Satin Gloss, Satin Matt, Matt, Dull Matt
	Finish	Gloss level as requested
Hardener	Avkote Hardener 279	
Packing	Coating	1 and 5 Litre disposable containers
	Hardener	1 Litre disposable containers

Technical Data

The data is valid for Avkote SM-T. The values can change for other colours.


	Coating		Hardener		Mixture			
Specific Gravity (23 °C)	0.94	g/cm ³	0.99	g/cm ³	0.96	g/cm ³		
Solids content	23	± 1 Weight-%	45	± 1 Weight-%	Appr 25	Weight-%		
Organic Solvent Content.	77	± 2 Weight-%	55	± 1 Weight-%	Appr 75	Weight-%		
VOC Content (CH / EU)	73	%	730	g/lit	55 %	547 g/lit	71 %	713 g/lit
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 28 µm dry layer thickness							













Safety Data	Coating	Hardener
Flash point	0 °C	0 °C
Transport ADR/RID	Class: 3 VP: II	Class: 3 VP: III
Poison classification (EU)		
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
Open Pore Wood	1 x Filler Primer	Avkote 1090 Primer	30 - 40µm	1090
	1 x Top Coat	Intermediate sanding with grade 220-280 Avkote SM-T	30 - 40µm	W3990
Closed Pore Wood	1 x Stain	Aquakote Stain application if required		
	1 x Top Coat	Intermediate sanding with grade 220-280 Avkote SM-T	30 - 40µm	W3990
MDF	1 x Sealer	Avkote 207 Sealer	30 - 40µm	5409
	1 x Filler	Intermediate sanding with grade 220-280 Avkote 1090 Filler Primer (if filling req.)	50-100 µm	1090
	1-2 x Top Coat	Intermediate sanding with grade 220-280 Avkote SM-T	30 - 40µm	W3990
Special Tropical Woods	1 x Sealer	Avkote 207 Sealer Primer	30 - 40µm	5409
	1 x Top Coat	Avkote SM-T	30 - 40µm	W3990
Please contact our technical staff for further application suggestions.				

Preparation

	Substrate	Every substrate must be thoroughly cleaned, grease and oil-free, and dry before paint application commences.
	Wood substrates Bare MDF Substrate Plain MDF Panels	Apply Avkote SM-T to freshly sanded / Avkote primed surfaces only. Sand with 150 – 180 grit sand paper Sand with 180 – 220 grit sand paper Sand with 180 – 220 grit sand paper Primed edges/Routed edges seal with Avkote 207 Sealer If filling required apply 1 x 1090 Filler / Primer
	Special Tropical Woods	Prime edge and surfaces with 1 x 207 Sealer Primer.

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. W39900 and 279H00.				
	Stir	Before use ensure contents are stirred together well with hardener if applicable.				
	Mixing Ratio	10 : 1 by volume with Avkote 279 hardener				
	Pot life at 20 °C	Ideally 8 Hrs. Max 48 Hrs but with increasingly reduced quality.				
	Thinners	Dilute with Avkote 13000 Thinners 0–20 % depending on the application.				
	brush	Not recommended				
	Roll	Not recommended				
		Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
	Gravity Feed Spray-gun	33 - 38 secs	0 - 20 %	1.8 mm	2 – 3 bar	2
	Suction-spray-gun	33 - 38 secs	0 - 20 %	1.8 mm	2 – 3 bar	2
	Airless-(Airmix)-Spray	33 - 38 secs	0 - 20 %	11/40	3 – 4 bar Atomising air 1.5 - 2	2
	HVLP paint gun	33-38 s	0-20 %	1.8 mm	2-3 bar	2
	Evaporation time	Prior to drying at temperatures over 40 °C allow an evaporation time of 20 minutes.				
	Drying time	For 28 µm dry coating at 23 °C and 65% of relative humidity				
	At 20 °C	Tack-Dry	after:	15	Minutes	Primary Coat
		Touch – Dry	after:	30	Minutes	
		Dried (Can be sanded)	after:	3	Hour	
		Suitable for re-coating	after:	3	Hours	
		Completely Dry	after:	10	days	
	At 40 °C	Dry	after:	45	Minutes	

Important references

Specific restrictions	Do not dispose of lacquer residue into the sewage system.		
Minimum application- and drying temperature	15	°C	Do not apply at temperatures below the dew point
Coating removal	With paint stripper		
Equipment cleaning	Clean immediately after use with Avkote Gun Wash Thinners.		

Important Recommendations

	Please observe our Material Safety Data Sheets for all products used as well as the instructions on the tin label.
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