

# Technical Data Sheet



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Data sheet Nr. 5393/KF

## AVKOTE KF

<b>Product description</b>	A fast drying, satin 2K coating with very good resistance to chemicals and mechanical abrasion. Test standard compliance: DIN 68861 Part 1B (Chemical Resistance) B3800, Part 1, B2 (Hardly Flammable) DIN 53160 (Saliva & Sweat resistant) Formaldehyde free and resistant to PVC plasticizers and hand cream.
<b>Binding Agent</b>	2-K polyurethane resin
<b>Areas of Application</b>	High-quality top-coat for interior contact furniture and kitchens and general joinery pieces. Also suitable for exterior use.
<b>Form of Supply</b>	Colours: RAL and BS colour cards Other Colours available on request Gloss Level: Silk (30 - 45 gloss levels at 60 °)
<b>Hardener</b>	Avkote Hardener 279
<b>Packing</b>	Coating: 1, 3 and 5 Litre disposable containers Hardener: 1 Litre disposable containers

### Technical Data


The data is valid for Avkote KF white 80. The values can change for other colours.							
	<b>Coating</b>		<b>Hardener</b>		<b>Mixture</b>		
<b>Specific Gravity (23 °C)</b>	1.10	g/cm <sup>3</sup>	1.0	g/cm <sup>3</sup>	1.08	g/cm <sup>3</sup>	
<b>Solids content</b>	49 ± 2 Weight-%		46 ± 2 Weight-%		Appr 48 Weight-%		
<b>Organic Solvent Content.</b>	48 ± 2 Weight-%		54 ± 2 Weight-%		Appr 49 Weight-%		
<b>VOC Content (CH / EU)</b>	57	%	570	g/lt	56	%	560 g/lt
<b>Shelf life at 20 °C</b>	12 Months		6 Months in well shut containers				
<b>Theoretical Coverage</b>	104 g/m <sup>2</sup> 10.4 m <sup>2</sup> /kg for 30 µm dry layer thickness						













<b>Safety Data</b>	<b>Coating</b>	<b>Hardener</b>
<b>Flash point</b>	27 °C	0 °C
<b>Transport ADR/RID</b>	Class: 3 VP: III	Class: 3 VP: III
<b>Poison classification (EU)</b>		
<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
Chipboard and MDF panels or Wood Veneered Surfaces  or	1 x Sealer	Seal edges and milled / cut-out sections with Avkote 207 Primer	30 - 50 µm	5409
	1-2 x Primer	Avkote 1090 Spray filler Sand between coats	30 - 50 µm	1090
	1 x Top Coat	Avkote KF	30 - 50 µm	5393/KF
	1-2 x Sealer	Avkote sanding primer 207 Sand between coats	30 - 50 µm	5409
	1 x Top Coat	Avkote KF	30 - 50 µm	5393/KF
Foil Faced Chipboard	1 x Top Coat	Avkote KF	30 - 50 µm	5393/KF
PVC & GRP	1 x Top Coat	Avkote KF	30 - 50 µm	5393/KF
Old coats of paint (solvent-resistant)	1 x Top Coat	Avkote KF	30 - 50 µm	5393/KF
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.
	Avkote 1090 Filler	Clean, sand as required, clean.
	Avkote 207 Sanding Primer	Clean, sand as required, clean
	Foil Faced Chipboard	Clean, sand as required, 360 grit
	Old coatings	Sand off, clean, prime as necessary

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. Pay attention to our safety data sheet Nos. 539300KF and 279H00.				
	<b>Stir</b>	Before use ensure contents are stirred together well with hardener if applicable.				
	<b>Mixing Ratio</b>	4 : 1 by volume with Avkote 279 hardener				
	<b>Pot life at 20 °C</b>	approx. 24 hr. according to tone				
	<b>Thinners</b>	Approximately 10% - Dilute with thinners 95 (slow), or 13000 (fast) to application viscosity according to the table shown below.				
	<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 - 22 secs	10 %	1.4 - 1.8 mm	3 - 4 bar	2
	<b>Suction-spray-gun</b>	18 - 22 secs	10 %	1.4 - 1.8 mm	3 - 4 bar	2
	<b>Airless-(Airmix)-Spray</b>	22 - 25" secs	10 %	11/40	3 – 4 bar Atomising air 1.5 - 2	1 - 2
	<b>HVLP paint gun</b>	18 - 22 secs	10 %	1.4 - 1.8 mm	3 - 4 bar	2
	<b>Evaporation time</b>	Prior to drying at temperatures over 40 °C allow an evaporation time of 15 minutes.				
	<b>Drying time</b>	For 50 µm dry coating at 65 % of relative humidity				
	At 20 °C	Tack-Dry	after:	4	Minutes	Primary Coat
		Touch – Dry	after:	4	Minutes	
		Handled	after:	18	Minutes	
		Suitable for re-coating	after:	1	Hours	
		Completely Dry	after:	7	days	

**Important references**

<b>Specific restrictions</b>	Relative humidity max. 80 %		
<b>Minimum application- and drying temperature</b>	10	°C	Do not apply at temperatures below the dew point
<b>Coating removal</b>	Sand blast and/or paint stripper		
<b>Equipment cleaning</b>	Clean immediately after use with thinners 95, 13000 or U cleaner		

**Important Recommendations**

	For pastel coloured coating of surfaces subject to heavy use, such as structural elements, working surfaces etc., it is recommended to clear coat with an Avkote Varnish to improve resistance to marking.
	Please observe our Material Safety Data Sheets for all products used as well as the instructions on the tin label.

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