

# Technical Data Sheet



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Data sheet Nr. 5494/1485

## AVKOTE 1485 Clear Lacquer

<b>Product description</b>	Air-drying two-component clear lacquer	
<b>Binding Agent</b>	Polyurethane / acrylic resin combination	
<b>Areas of Application</b>	Air-drying clear lacquer for high-quality coating of PVC Profiles. May also be used for interior applications.	
<b>Form of Supply</b>	Colours	Clear
	Gloss Level	Satin Gloss
<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 1485 Clear Lacquer. The values can change for other colours.


	Coating		Hardener		Mixture							
<b>Specific Gravity (23 °C)</b>	0.96	g/cm <sup>3</sup>	0.99	g/cm <sup>3</sup>	0.97	g/cm <sup>3</sup>						
<b>Solids content</b>	33	± 2 Weight-%	46	± 2 Weight-%	37	± 2 Weight-%						
<b>Organic Solvent Content.</b>	67	± 2 Weight-%	54	± 2 Weight-%	63	± 2 Weight-%						
<b>VOC Content (CH / EU)</b>	64.5	%	645	g/l	53.4	%	534	g/l	60.8	%	608	g/l
<b>Shelf life at 20 °C</b>	12 Months			6 Months			in well shut containers					
<b>Theoretical Coverage</b>	125 g/m <sup>2</sup> →8		m <sup>2</sup> /kg for 40		µm dry layer thickness							

<b>Safety Data</b>	Coating		Hardener	
<b>Flash point</b>	-5 °C		0 °C	
<b>Transport ADR/RID</b>	Class: 3	VP: II	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	



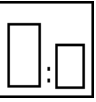
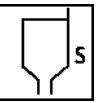






**Application Recommendations**

Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
PVC Profiles	1 x Top Coat	Avkote LE, Avkote HR or Avkote PC	30-50 µm	5494/1485
	1 x Lacquer	AVKOTE 1485 Clear Lacquer	30-50 µm	
For further application proposals please ask our technical department.				

**Preparation**

	<b>Substrate</b>	Every substrate must be clean, dry and free of grease and oil.
	PVC Profiles	Clean with Avkote 153b Cleaner first then with Avkote 154 Cleaner.

**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. 148500 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>	8 Hours				
	<b>Thinners</b>	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>	16-20" DIN-4	10%	1.4 - 1.8 mm	3 - 4 bar	2
	<b>Suction-spray-gun</b>	18 - 22 secs	25 - 30 %	1.4 - 1.8 mm	3 - 4 bar	2
	<b>Airless-(Airmix)-Spray</b>	22 - 25" secs	25 %	11/40	3 – 4 bar Atomising air 1.5 - 2	1 - 2
	<b>HVLP paint gun</b>	18 - 22 secs	25 - 30 %	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 40 µm dry coating at 65 % of relative humidity																				
	At 20 °C	<table border="0"> <tr> <td>Tack-Dry</td> <td>after:</td> <td>10</td> <td>Minutes</td> </tr> <tr> <td>Touch – Dry</td> <td>after:</td> <td>60</td> <td>Minutes</td> </tr> <tr> <td>Dried (Can be sanded)</td> <td>after:</td> <td>2</td> <td>Hours</td> </tr> <tr> <td>Suitable for re-coating</td> <td>after:</td> <td>2</td> <td>Hours</td> </tr> <tr> <td>Completely Dry</td> <td>after:</td> <td>10</td> <td>days</td> </tr> </table>	Tack-Dry	after:	10	Minutes	Touch – Dry	after:	60	Minutes	Dried (Can be sanded)	after:	2	Hours	Suitable for re-coating	after:	2	Hours	Completely Dry	after:	10	days
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**Important references**

<b>Specific restrictions</b>	Relative humidity max. 80 %		
<b>Minimum application- and drying temperature</b>	15	°C	Do not apply at temperatures below the dew point
<b>Coating removal</b>	With paint stripper		
<b>Recoating</b>	Lightly sand and spray with Avkote 1485 Clear Lacquer		
<b>Equipment cleaning</b>	Clean immediately after use with Gun Wash Thinners or U Cleaner.		

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