

# Technical Data Sheet



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Data sheet Nr. 1480C

## AVKOTE 1480C Lacquer

<b>Product description</b>	Slow 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 Glass prior to the application of AVKOTE GP Crackle Glaze. <b>Interior use only.</b>
<b>Form of Supply</b> Colours	Clear
Gloss Level	Satin Gloss
<b>Hardener</b>	AVKOTE 279 Hardener
<b>Packing</b> Coating	1, 3 and 5 Litre disposable containers
Hardener	1 Litre disposable containers

### Technical Data

The data is valid for AVKOTE 1480C 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>	6 Months					
<b>Theoretical Coverage</b>	125 g/m <sup>2</sup> →8		m <sup>2</sup> /kg for 40		µm dry layer thickness	

Safety Data	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
Glass	2 x Base Coat	AVKOTE 1480C Slow Drying Lacquer	30-50 µm	1480C
	2 x Crackle	AVKOTE GP Crackle Glaze (while Lacquer is still wet)	30-50 µm	5393/CR
	2 x Top Coat	AVKOTE GP (Backing Colour)	30-50 µm	5393/GP
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.
	Glass	The glass <b>must be well cleaned</b> and degreased using only <b>AVKOTE Glass Cleaner</b> and <b>100% lint free cotton cloth</b> . Other cloths e.g. paper or man-made cloths must NOT be used for surface preparation. AVKOTE Glass Cleaner must be used to clean the glass as some Glass Cleaners may leave a residue on the glass which could affect the adhesion. Since there are different types of glass, it is recommended always to do a small test prior to the complete application. To maintain levels of quality, any coating should always be applied to the air side.

### 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>	Supplied ready to spray				
	<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>HVLP Gravity Feed Spray-gun</b>	16-20" DIN-4	Ready to Spray	1.4 - 1.8 mm	2 – 2.5 bar	2

	<b>HVLP Suction-spray-gun</b>	18 - 22 secs	Ready to Spray	1.4 - 1.8 mm	2 – 2.5 bar	2
	<b>Airless-(Airmix)-Spray</b>	22 - 25" secs	Ready to Spray	11/40	3 – 4 bar Atomising air 1.5 - 2	1 - 2
	<b>NONE HVLP paint gun</b>	18 - 22 secs	Ready to Spray	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	Tack-Dry	after:	30	Minutes	
		Touch – Dry	after:	60	Minutes	
		Completely Dry	after:	10	days	

**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>Equipment cleaning</b>	Clean immediately after use with Gun Wash Thinners or U Cleaner.		

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