

Technical Data Sheet



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Data sheet Nr. 5393/GP

AVKOTE GP

Product description	Especially fast drying, Satin 2K coating for Glass with and good resistance to chemicals and mechanical abrasion. Ideal for producing splashbacks and worktops. Preparation of the surface is an important part of the process, please read through the application process fully. Application tutorials and videos are available upon request and also via our website. Test standard compliance: DIN 68861 Part 1B (Chemical Resistance) DIN 4102 B1 (Non-Flammable)
Binding Agent	2-K polyurethane resin
Areas of Application	High-quality top-coat for Glass. Please take note of our important recommendation on page 4.
Form of Supply Colours	Most colour ranges available on UK's market. Bespoke colour matching available on request.
Gloss Level	Silk (30 - 45 gloss levels at 60 °)
Hardener	AVKOTE Hardener 279
Packing Coating	1, 3 and 5 Litre disposable containers
Hardener	1 Litre disposable containers

Technical Data

The data is valid for AVKOTE GP white 80 & 81. The values can change for other colours.


	Coating		Hardener		Mixture							
Specific Gravity (23 °C)	1.2	g/cm ³	1.0	g/cm ³	1.17	g/cm ³						
Solids content	52	± 2 Weight-%	46	± 2 Weight-%	Appr 51	Weight-%						
Organic Solvent Content.	48	± 2 Weight-%	54	± 2 Weight-%	Appr 49	Weight-%						
VOC Content (CH / EU)	57	%	570	g/lt	56	%	560	g/lt	57	%	569	g/lt
Shelf life at 20 °C	6 Months											
Theoretical Coverage	96 g/m ²		10.4 m ² /kg for		30 µm dry layer thickness							

Safety Data	Coating	Hardener
Flash point	27 °C	0 °C
Transport ADR/RID	Class: 3 VP: III	Class: 3 VP: III
Poison classification (EU)		
VVS disposal code (EU/CH)	08, 08 01, 08 01 11	08, 08 01, 08 01 11



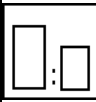





Application Recommendations




Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
Glass	2 x Top Coat	AVKOTE GP (depending on the opacity of the colour)	30-50 µm	5393/GP
For further application proposals please ask our technical department.				

Preparation

	Substrate	Every substrate must be thoroughly cleaned, grease and oil-free, and dry before paint application commences. Please refer to our Tutorial for painting glass with AVKOTE GP
	Glass	The glass must be well cleaned and degreased using only AVKOTE Glass Cleaner and 100% lint free cotton cloth . 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.
	After 24 Hrs	AVKOTE GP has a GT adhesion Reading of GT 2
	After 72 Hrs	AVKOTE GP has a GT adhesion Reading of GT 0

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. 539300GP and 279H00.				
	Stir	Before use ensure contents are stirred together well with hardener if applicable.				
	Mixing Ratio	Please refer to mixing chart on page 4 for mixing ratios with AVKOTE 279 Hardener.				
	Pot life at 20 °C	Minimum 8 hr. according to tone				
	Thinners	Ready to spray. Product already thinned. Option for mixing scheme clients only. Dilute with thinners 95 (slow) or 13000 (fast) to application viscosity according to the table shown below. Please refer to production sheets for thinning of different finishes.				
	brush	Mix for brush and brush stained glass available in 2, 4, 6, 8 and 10% colour				
	Roll	Not recommended				
		Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
	HVLV Gravity Feed Spray-gun	18 - 22 secs	0-10 %	1.4 - 1.8 mm	2-2.5 bar	2-4
	HVLV Suction-spray-gun	18 - 22 secs	0-10 %	1.4 - 1.8 mm	2-2.5 bar	2-4

	Airless-(Airmix)-Spray	22 - 25" secs	0-10 %	11/40	3 – 4 bar Atomising air 1.5 - 2	1 - 2
Spray Gun	None HVLP paint gun	18 - 22 secs	0-10 %	1.4 - 1.8 mm	3 - 4 bar	2
	Evaporation time	Prior to drying at temperatures over 40°C allow an evaporation time of 15 minutes.				
	Drying time	For 50 µm dry coating at 65 % of relative humidity				
	At 20 °C	Tack-Dry	after:	2	Minutes	
		Touch – Dry	after:	10	Minutes	
		Dried (Can be handled)	after:	1	Hour	
		Suitable for re-coating	after:	2	Hours	
		Completely Dry	after:	7	days	

Important references

Specific restrictions	Relative humidity max. 80%	
Minimum application- and drying temperature	15 °C	Do not apply at temperatures below the dew point
Coating removal	Not recommended	
Equipment cleaning	Clean immediately after use with Gun Wash Thinners.	

Important Recommendations

	Splashbacks must be adhered to the wall using a high quality, neutral cure silicone. The glass must be sealed all-round the edge with the silicone sealant after installation to prevent dirt and moisture getting behind the glass.
	Please refer to our application tutorials, recommendations for glass coating for indoor use data sheet and application videos for full application details. This information is available upon request and also via our website.
	Please observe our Material Safety Data Sheets for all products used as well as the instructions on the tin label.
	The glass must be well cleaned and degreased using only AVKOTE Glass Cleaner and 100% lint free cotton cloth. Other cloths e.g. paper or man-made cloths must NOT to 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.

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Product		HARD	Ratio		
Full Colour		279	10	:	1
Fine Frosted - Satin Finish		279	4	:	1
Fine Frosted - 5% Colour Satin Finish		279	4	:	1
Fine Frosted - 10% Colour Satin Finish		279	4	:	1
Coarse Frosted Satin Finish		279	4	:	1
Coarse Frosted - 5% Colour Satin Finish		279	4	:	1
Coarse Frosted - 10% Colour Satin Finish		279	4	:	1
Translucent - 2% Colour High Gloss Finish		279	2	:	1
Translucent - 4% Colour High Gloss Finish		279	2	:	1
Translucent - 6% Colour High Gloss Finish		279	2	:	1
Metallic - Fine Colours mixed using Silver 91		279	10	:	1
Metallic - Medium Colours mixes using Silver 92		279	10	:	1
Metallic - Coarse Colours mixed using Silver 93		279	10	:	1
Metallic - Sparkle - Fine Colours mixed using Silver 91		279	4	:	1
Metallic - Sparkle - Medium Colours mixed using Silver 92		279	4	:	1
Metallic - Sparkle - Coarse Colours mixed using Silver 93		279	4	:	1
Brush Stained Glass - 2% Colour High Gloss Finish		279	2	:	1
Brush Stained Glass - 4% Colour High Gloss Finish		279	2	:	1
Brush Stained Glass - 6% Colour High Gloss Finish		279	2	:	1
Brush Stained Glass - 8% Colour High Gloss Finish		279	2	:	1
Brush Stained Glass - 10% Colour Available in Medium Gloss or High Gloss Finish		279	4	:	1
GP Brush – Full Colour		279	4	:	1