

Technical Data Sheet



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Data sheet Nr. 5520

AVKOTE DP

Product description	Good filling, fast drying, high solids, silk gloss 2 pack enamel with very good weathering characteristics. Good resistance to chemicals and mechanical abrasion Meets the EU Decorative Paint regulation level 2. Meets DIN 68861, 1B Chemical Resistance standard
Binding Agent	2-K polyurethane resin
Areas of Application	High-quality top-coat for PVC windows and doors, metal surfaces.
Form of Supply	Colours RAL and BS colour cards Other Colours available on request Gloss Level Silk (30 - 40 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 DP white 80. The values can change for other colours.							
	Coating		Hardener		Mixture		
Specific Gravity (23 °C)	1.23	g/cm ³	1.0	g/cm ³	1.18	g/cm ³	
Solids content	64	± 2 Weight-%	46	± 2 Weight-%	Appr 60	Weight-%	
Organic Solvent Content.	36	± 2 Weight-%	54	± 2 Weight-%	Appr 40	Weight-%	
VOC Content (CH / EU)	44.3	%	443	g/l	56	%	560 g/l
Shelf life at 20 °C	12 Months		6 Months in well shut containers				
Theoretical Coverage	77	g/m ²	13	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	Wet Film thickness	Dry Film thickness	Data sheet
PVCu (PVC-Profiles & Doors)	1-2 x Top Coat	Avkote DP	75-100 µm	50-70 µm	5520
GRP	1-2 x Top Coat	Avkote DP	75-100 µm	50-70 µm	5520
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.
	PVCu (PVC-Profiles & Doors)	Clean with 153b cleaner first then with Avkote 154 Cleaner. Apply Avkote DP.
	Other Plastics	Please refer to our technical department.
	GRP	Clean with Avkote 154 Cleaner. Apply Avkote DP.
	Old coats of paint (solvent-resistant)	Sand off, clean, primer as necessary.

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. 552000 and 279H00.				
	Stir	Before use ensure contents are stirred together well with hardener if applicable.				
	Mixing Ratio	4 : 1 by volume with Avkote 279 hardener				
	Pot life at 20 °C	Approx 4 hr. according to tone				
	Thinners	Dilute with thinners 95 (slow) or 13000 (fast) to application viscosity according to the table shown below.				
	brush	Not recommended. If necessary only on small surfaces.				
	Roll	Not recommended				
		Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
	Gravity Feed Spray-gun	18 - 22 secs	5 %	1.4 - 1.8 mm	3 - 4 bar	2
	Suction-spray-gun	18 - 22 secs	5 %	1.4 - 1.8 mm	3 - 4 bar	2

	Airless-(Airmix)-Spray	Not Recommended				
	HVLP paint gun	18 - 22 secs	5 %	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 100 µm dry coating at 55 % of relative humidity				
	At 20 °C	Tack-Dry	after:	20	Minutes	
		Touch – Dry	after:	1	Hour	
		Dried (Can be sanded)	after:	14	Hours	
		Suitable for re-coating	after:	14	Hours	
		Completely Dry	after:	7	days	

Important references

Specific restrictions	Relative humidity max. 80 %		
Minimum application- and drying temperature	18-20	°C	Do not apply at temperatures below the dew point
Coating removal	Sand blast and/or paint stripper		
Equipment cleaning	Clean immediately after use with Gun Wash Thinners.		

Important Recommendations

	For buildings situated near the sea, in a highly corrosive environment/county (i.e. Cornwall and the coast of Northern Ireland and Ireland) or in a heavily polluted area or city a clear coat must be applied to protect against the influence of salt air and pollution.
	For pastel coloured coating of surfaces subject to heavy use, such as structural elements, working surfaces etc., it is recommended that an Avkote clear coat is applied 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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