

Technical Data Sheet



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Data sheet Nr. 5398

AVKOTE BSP

Product description	An air-drying, high gloss, 2K coating with high weather resistance and long lasting gloss, good chemical and solvent resistance. Meets the EU Decorative Paint regulation level 2. Meets DIN 68861, 1B Chemical Resistance standard.		
Binding Agent	2-K polyurethane acrylic resin		
Areas of Application	High-quality top-coat for primed iron, aluminium and metal surfaces as well as GRP and plastics.		
Form of Supply	Colours	RAL and BS colour cards. Other Colours available on request	
	Gloss Level	90% (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 BSP white 80. The values can change for other colours.							
	Coating			Hardener		Mixture	
Specific Gravity (23 °C)	1.4	g/cm ³		1.03	g/cm ³		1.31 g/cm ³
Solids content	68	± 2 Weight-%		59	± 2 Weight-%		Appr 66 Weight-%
Organic Solvent Content.	32	± 2 Weight-%		41	± 2 Weight-%		Appr 34 Weight-%
VOC Content (CH / EU)	43	%	438 g/lt	41	%	418 g/lt	42 % 420 g/lt
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	15 °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
Aluminium, galvanised substrates and Steel	1 x Primer	Aquakote AK Primer OR Avkote 2250 Primer	30 - 50 µm 40 - 60 µm	7106 EA9000
	1 x Top Coat	Avkote BSP	30 - 50 µm	5398
Light and non ferrous heavy metals and Zinc	1 x Primer	Avkote 2250 Primer	30 - 50 µm	EA9000
	1 x Top Coat	Avkote BSP	30 - 50 µm	5398
Plastics	1 x Top Coat	Avkote BSP	30 - 50 µm	5398
GRP	1 x Top Coat	Avkote BSP	30 - 50 µm	5398
Old coats of paint (solvent-resistant)	1 x Top Coat	Avkote BSP	30 - 50 µm	5398
Plastics	On request.			
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.
	Aluminium, galvanised substrates and Steel	Ensure metal is clean and grease free. Apply Primer. Sand as required. Apply Avkote BSP Top coat.
	Plastics and GRP	Clean surface with Avkote 154 Cleaner. Apply Avkote BSP Top Coat.
	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. 539800 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	Minimum 8 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

	Roll	Not recommended				
		Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
	Gravity Feed Spray-gun	18 - 22 secs	20 %	1.4 - 1.8 mm	3 - 4 bar	2
	Suction-spray-gun	18 - 22 secs	20 %	1.4 - 1.8 mm	3 - 4 bar	2
	Airless-(Airmix)-Spray	22 - 25" secs	15-20 %	06-09	3 – 4 bar Atomising air 1.5 - 2	1 - 2
	HVLP paint gun	18 - 22 secs	20 %	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 30 µm dry coating at 65 % of relative humidity				
	At 20 °C	Tack-Dry	after:	20-30	Minutes	
		Touch – Dry	after:	1	Hours	
		Dried (Can be sanded)	after:	10	Hour	
		Suitable for re-coating	after:	12	Hours	
		Completely Dry	after:	10	days	
	At 80 °C	Dry	after:	45	Minutes	
	At 100 °C	Dry	after:	30	Minutes	

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	Sand blast and/or paint stripper		
Equipment cleaning	Clean immediately after use with Gun Wash Thinners.		

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