

Technical Data Sheet



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Data sheet Nr. 5381

AVKOTE EG

Product description	Especially fast drying, decorative 2-component enamel paint with very good weather resistance and good resistance to chemical and mechanical wear. Avkote EG meets the requirements of DIN standard 68861, 1B. The coating film is flame-resistant according to Austrian standard B 3800, Part 1, B2. The paint is fire-resistant according to DIN 4102-1, Category B1.
Binding Agent	2-K polyurethane resin
Areas of Application	Especially fast drying, decorative paint for many substrates.
Form of Supply	Colours Eisenglimmer colour chart Other Colours available on request Gloss Level Satin Matte
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 EG 18011. The values can change for other colours.


	Coating		Hardener		Mixture							
Specific Gravity (23 °C)	1.1	g/cm ³	1.0	g/cm ³	1.09	g/cm ³						
Solids content	40	± 2 Weight-%	46	± 2 Weight-%	Appr 41	Weight-%						
Organic Solvent Content.	60	± 2 Weight-%	54	± 2 Weight-%	Appr 59	Weight-%						
VOC Content (CH / EU)	65	%	651	g/lit	56	%	560	g/lit	64	%	641	g/lit
Shelf life at 20 °C	12 Months		6 Months in well shut containers									
Theoretical Coverage	140	g/m ²	7.1	m ² /kg for	35	µm dry layer thickness						

Safety Data	Coating	Hardener
Flash point	-1 °C	0 °C
Transport ADR/RID	Class: 3 VP: II	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
Metal	1 x Primer	Aquakote AK Primer OR Avkote 2250 Primer	30 – 50 µm	7106
	1 x Top Coat	Avkote EG	40 – 60 µm	EA9000
Plastic	1 x Top Coat	Avkote EG	40 – 50 µm	5381
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.
	Metal	Ensure metal is clean and grease free. Apply Primer. Sand as required. Apply Avkote EG Top Coat.
	Plastic	Clean with Avkote 153b Cleaner first then with Avkote 154 Cleaner. Apply Avkote EG.

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. 538100 and 279H00.				
	Stir	Before use ensure contents are stirred together well with hardener if applicable.				
	Mixing Ratio	10 : 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	25 - 30 %	1.4 - 1.8 mm	3 - 4 bar	2
	Suction-spray-gun	18 - 22 secs	25 - 30 %	1.4 - 1.8 mm	3 - 4 bar	2
	Airless-(Airmix)-Spray	22 - 25" secs	15 - 25 %	06/09	3 - 4	1 - 2

	HVLP paint gun	18 - 22 secs	25 - 30 %	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 23°C and 65 % of relative humidity				
	At 20 °C	Tack-Dry	after:	10	Minutes	
		Touch – Dry	after:	1	Hour	
		Dried (Can be sanded)	after:	1 ½	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	10 °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 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 to clear coat with an Avkote Varnish 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.

This data sheet is for your reference and information only. The above data are correct to the best of our knowledge. We offer no guarantees for use and exclude any liability. This applies in particular to consequential damage. We are not liable for any advice given by our employees. Our employees give non-binding information only. Site supervision, compliance with handling regulations and adherence to recognized engineering rules are the responsibility of the manufacturer, even if our employee was on site during handling. Modifications due to technical developments may be made. The latest version of this information is applicable. In special cases, please request separate technical specifications.