

Technical Data Sheet



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Data sheet Nr. 1090

AVKOTE 1090 Filler Primer

Product description	2-pack spray filler primer	
Binding Agent	Polyurethane resin	
Areas of Application	Coating of furniture and w. For filling MDF-panels, block boards, plywood and hard fibre panels	
Form of Supply	Colours	White
	Gloss Level	Matt
Hardener	Avkote Hardener 1091	
Packing	Coating	1, 3 and 5 Litre disposable containers
	Hardener	1 Litre disposable containers

Technical Data


	Coating		Hardener		Mixture							
Specific Gravity (23 °C)	1.46	g/cm ³	1.02	g/cm ³	1.35	g/cm ³						
Solids content	Appr 61	Weight-%	Appr 42	Weight-%	Appr 58	Weight-%						
Organic Solvent Content.	Appr 39	Weight-%	Appr 58	Weight-%	Appr 42	Weight-%						
VOC Content (CH / EU)	57	%	570	g/lt	59.2	%	592	g/lt	57.5	%	575	g/lt
Shelf life at 20 °C	12 Months		6 Months in well shut containers									
Theoretical Coverage	126	g/m ²	7.9	m ² /kg for	35	µm dry layer thickness (without spray losses)						

Safety Data	Coating	Hardener
Flash point	27 °C	-1 °C
Transport ADR/RID	Class: 3 VP: III	Class: 3 VP: II
Poison classification (EU)		
VVS disposal code (EU/CH)	08, 08 01, 08 01 11	08, 08 01, 08 01 11



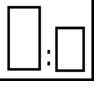
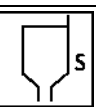
Application Recommendations









Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
Hard fibre and MDF-panels, joiner and plywood circuit boards	1 x Primer	Edges and generated surfaces, seal with: Avkote 3910 Sealer Primer	40 – 50 µm	5409
	1 x Primer	Or Avkote 242 Furniture Primer	40 – 50 µm	242001F
For wet cells such as bathrooms & kitchens it is essential to seal MDF surfaces with Avkote 207 Sealer Primer or Avkote 242 Furniture Primer	1-2 x Primer	Avkote 1090 Filler Primer (Sand between coats)	50 – 100 µm	1090
	1 x Top Coat	Avkote FE	30 – 50 µm	5393/FE
	1 x Primer	Avkote 3910 Sealer Primer Sand between coats	40 – 50 µm	5409
	1 x Primer	Avkote 1090 spray filler Primer Sand between coats	50 - 100µm	1090
	1 x Top Coat	Avkote FE	30 – 50 µm	5393/FE
For further application proposals ask our technical department.				

Preparation

	Substrate	Every substrate must be thoroughly cleaned and be, clean, dry, grease and oil-free.
	Hard-fibre and MDF panels	Sand, clean
	Block boards	Sand, clean
	Plywood	Sand, clean
	Edges and open surfaces	Seal with Avkote 242 Furniture Primer or with Avkote 1090 Filler Primer (brush or spray) Bows, clean
	Old Coatings	Sand, clean

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. 520100 and 1091H0.
	Stir	Before use ensure contents are stirred together well with hardener if applicable.
	Mixing Ratio	4 : 1 by volume with Avkote 1091 hardener
	Pot life at 20 °C	8 hr
	Thinners	Mix according to table shown below with thinners V95 (slow) or thinners V13000 (fast) to application viscosity.

	brush	No				
	Roll	No				
		Viscosity DIN-4	Thinners	Nozzle	Pressure	Spray coats
	Gravity Feed Spray-gun	30 - 50" secs	10 %	1.8 - 2.2 mm	3 - 4 bar	2
	Suction-spray-gun	30 – 50" secs	10 %	1.8 - 2.2 mm	3 - 4 bar	2
	Airless-(Airmix)-Spray	50 – 70" secs	5 %	09 - 011	3 – 4 bar	1-2
	HVLP paint gun	30 – 50" secs	10 %	1.8 - 2.2 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 60 µm dry coating at 65 % of relative humidity				
	At 20 °C	Tack-Dry	after:	10	Minutes	
		Touch – Dry	after:	30	Minutes	
		Dried (Can be sanded)	after:	2-3	Hours	
		Suitable for re-coating	after:	3	Hours	
		Completely Dry	after:	5	days	
	At 40 °C	Dry	after:	45	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 off	
Equipment cleaning	Clean immediately after use with Gun Wash Thinners.	

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