

# Technical Data Sheet



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Data sheet Nr. 8650

## AQUAKOTE Stain

<b>Product description</b>	Aquakote Stain is a liquid water based stain. It contains select, highly light-fast pigments as the colouring agent. Aquakote Stain is available ready to use in the shades on our stain colour cards. Individual stains can be mixed to obtain different shades. Add water to lighten the stain.		
<b>Areas of Application</b>	Aquakote Stain is particularly suitable for obtaining rustic effects in various types of wood such as oak, ash, etc.		
<b>Form of Supply</b>	Colours	220 Brown or 225 Black	
	Gloss Level	Satin	
<b>Packing</b>	Coating	1, 3 and 5 Litre disposable containers	

### Technical Data


The data is valid for Aquakote Stain.							
	<b>Coating</b>		<b>Hardener</b>		<b>Mixture</b>		
<b>Specific Gravity (23 °C)</b>	1.02	g/cm <sup>3</sup>	g/cm <sup>3</sup>		g/cm <sup>3</sup>		
<b>Solids content</b>	± Weight-%		± Weight-%		Appr	Weight-%	
<b>Organic Solvent Content.</b>	19 ± 1 Weight-%		± Weight-%		Appr	Weight-%	
<b>VOC Content (CH / EU)</b>		%		g/l	%	g/l	%
<b>Shelf life at 20 °C</b>	6 Months		in well shut containers				

<b>Safety Data</b>	<b>Coating</b>		<b>Hardener</b>	
<b>Flash point</b>	101 °C		°C	
<b>Transport ADR/RID</b>	Class: - VP: -		Class: VP:	
<b>Poison classification (EU)</b>				
<b>VVS disposal code (EU/CH)</b>	08, 08 01, 08 01 16			



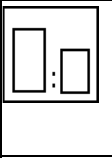




**Application Recommendations**





Substrate	No. of Coats	Product	Dry Film thickness	Data sheet
Textured GRP	1 x Base	Avkote LE or Avkote HR Leave to dry for 1 hour	30-50 µm	5393/LE 5360
	1 x Stain	Aquakote 220 Brown or 225 Black Stain Leave to dry at least 4 hours at 20°C or over night		8650
	1 x Lacquer	Avkote 1483, 1485 or 1495 Lacquer	30-50 µm	5494
Wood Veneer	1 x Stain	Aquakote Stain as Required		8650
	1 x Primer	Spray Avkote 242 Furniture Intermediate sanding	25-30 µm	242001F
Wood Substrates-Stained, open grain coating	1 x Stain	Aquakote Stain as Required Intermediate drying		8650
	1 x Lacquer	Avkote 1200 Series / Avkote SM Sand with 220-280 grit	30 - 40 µm	5453 / W3990
	1 x Lacquer	Avkote 1200 Series / Avkote SM	30 - 40 µm	5453 / W3990
Wood Substrates-Filled grain coating	1 x Stain	Aquakote Stain as Required Intermediate drying		8650
	1-2 x Sealer	Avkote 207 Sanding Sealer Sand with 200-400 grit	40 - 60 µm	5409
	1 x Lacquer	Avkote 1200 Series / Avkote SM	30 - 40 µm	5453 / W3990
Open Pore Wood	1 x Stain	Aquakote Stain as Required		8650
	1 x Varnish	Avkote SM Intermediate sanding with grade 220-280	30-40 µm	W3990
	1 x Top Coat	Avkote SM	30-40 µm	W3990
Closed Pore Wood	1 x Stain	Aquakote Stain as Required		8650
	1 x Varnish	Avkote SM Intermediate sanding with grade 280-320	30-40 µm	W3990
	1 x Top Coat	Avkote SM	30-40 µm	W3990
For further application proposals please ask our technical department.				

**Preparation**

	<b>Substrate</b>	Every substrate must be thoroughly cleaned, grease and oil-free, and dry before paint application commences.
	Wood Veneer	Must be well-sanded with 180-240 grain
	Wood Substrates	Sand with 150-180 grit, clean
	Textured GRP	<p>Clean with Avkote 154 Cleaner.</p> <p>Depending on the colour you wish to achieve you need to use the appropriate colour base coat in Avkote LE / Avkote HR.</p> <p>Apply Avkote LE / Avkote HR and leave to dry for 1 hour.</p> <p>Apply a coat of Aquakote Stain. Stain with a piece of mutton cloth/sponge over the Avkote LE / Avkote HR.</p> <p>Wipe off with a clean piece of mutton cloth/sponge to achieve required finish. (In temperatures over 20°C use a wet sponge to remove residue to achieve required finish.)</p> <p>Leave to dry for at least 4 hours at 20°C or over-night.</p> <p>Apply Avkote 1483, 1485 or 1495 lacquer depending on the gloss level required. A Lacquer is required to seal the coating in.</p>
	<b>Special Note</b>	For Oily hard woods we advise to clean with Avkote Thinners to remove most of the oil and then proceed with the standard preparation method.

**Processing**

	<b>Preventative measures</b>	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. 865000LE.				
	<b>Stir</b>	Before use ensure contents are stirred thoroughly before use.				
	<b>Mixing Ratio</b>	N/A				
	<b>Pot life at 20 °C</b>	2 Weeks				
	<b>Thinners</b>	Water if required				
	<b>brush</b>	Original Viscosity				
	<b>Roll</b>	Not recommended				
		<b>Viscosity DIN-4</b>	<b>Thinners</b>	<b>Nozzle</b>	<b>Pressure</b>	<b>Spray coats</b>
	<b>Gravity Feed Spray-gun</b>	10 secs	Water if required	1.2-1.6 max	As required	As required

	<b>Suction-spray-gun</b>	10 secs	Water if required	1.2-1.6 max	As required	As required
	<b>HVLP paint gun</b>	10 secs	Water if required	1.2-1.6 max	As required	As required
	<b>Evaporation time</b>	Prior to drying at temperatures over 40 °C allow an evaporation time of 15 minutes.				
	<b>Drying time</b>					
	At 20 °C	Tack-Dry	after:	2-10	Minutes (depending on coat thickness)	
		Touch – Dry	after:	20	Minutes	
		Dried (Can be sanded)	after:	1	Hour	
		Suitable for re-coating	after:	30-60	Minutes	
		Completely Dry	after:	1	day	

**Important references**

<b>Specific restrictions</b>	Relative humidity max. 75%		
<b>Minimum application- and drying temperature</b>	10	°C	Do not apply at temperatures below the dew point
<b>Coating removal</b>	Sand and clean		
<b>Equipment cleaning</b>	Clean immediately after use with water		

**Important Recommendations**

<b>Storage: Frost Warning</b>	This product is waterbased and therefore <b>MUST NOT</b> be subjected to temperatures below 0 °C either during storage or application. If this does happen the product will become unusable.
<b>Spot testing</b>	Depending on the substrate we would always recommend spot testing. We recommend to prepare a test sample to confirm desired colour results. Uneven absorption and colour of the substrate may result in colour deviations.
<b>Safety Data Sheets</b>	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.