

## Sigmalth Systema Top Premium

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July 2005

### I. Material description:

Type:	Water-dilutable, pigment-containing, covering paint with silky gloss.
Application:	As an intermediate and surface layer for use in wood processing industry, e.g.: for windows, doors, moulded boards, etc. Applied on such wood types as: spruce, pine, Dark Red Meranti, oak, Hemlock, Oregon Pine. Other types of wood – on request.
Important features:	<ul style="list-style-type: none"><li>- Diffusing abilities</li><li>- Improved stability</li><li>- Improved surface hardness</li><li>- High resistance to UV radiation</li><li>- High flexibility</li><li>- High covering abilities</li><li>- No possibility of saponification</li></ul>
Colour:	white RAL 9016, Colours RAL and NCS – L and Z base for colouring
Packaging unit:	4, 20 and 120 litres

### II. Technical data

Paint vehicle:	Modified acrylic resin
Degree of gloss (60°)	Silky gloss (20-30)
Density:	1.15 g/cm <sup>3</sup> (± 0.02) at temp. 23°C
Solid particles content:	34 % v/v. (± 2.5) at temp. 23°C 42.5% by weight (± 2.5) at temp. 23°C
Diluting:	Tap water
Washing tools:	Tap water  (when dry – SIGMA 91-11 diluent)
pH value:	9.0 (± 0.5) at temp. 23°C
Flash point (according to ISO 1523):	NA



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Theoretical yield: ca 3.6 m<sup>2</sup>/l at 275 µm (wet); 94 µm (dry)  
ca 3.3 m<sup>2</sup>/l at 300 µm (wet); 102 µm (dry)

Storage In a tightly closed, original container, in a cool and dry place, protected from frost – at least 12 months.

### III. Application guidelines:

Drying time (at temp. 23°C and 50% of relative humidity of air):  
Dust-dryness: ca 1 h  
Anti-gluing resistance: ca 2 h  
Further processing after: ca 4 h / on the next day

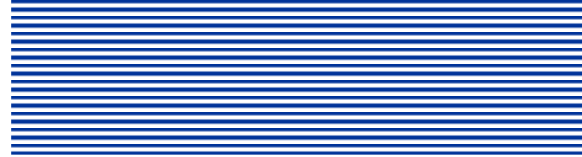
Quicker drying Further processing after: ca 2 – 4 h in a blow-in dryer  
at temp. 35°C and 40% relative air humidity):

Spraying method	Spraying	Pressure bar	Nozzle size	
			mm	cal
	Airless/	90 - 120	0.28	0.011
	Airmix		0.33	0.013

Amount to be applied:	Wet	Dry	Use, ml/m <sup>2</sup> (no loss)
	µm	µm	
	275 - 300	ca 94 – 102	ca 275 - 300

Temperature of application: Do not apply when the temperature drops below 15°C (temperature of the base and surroundings). Lower temperatures may bring about a prolongation of the drying time. Max. air humidity – 75%

Base features: The base must be clean and dry. Wood humidity should range from 11 – 17%.



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### IV. Layer structure:

Impregnating coat	Rustikal Concept Conditioner	Rustikal Concept Conditioner
Prime coat	Rustikal Concept Grund	Rustikal Concept Grund Konz. Sigmalith Systema Primer White
Intermediate coat	Sigmalith Systema Primer white Sigmalith Systema Primer Baza Z Rustikal WS Color Rustikal WS Sealer- WS Sealer II Sigmalith Acryl Sealer white Sigmalith Acryl Sealer Baza Z Sigmalith Systema MB Sealer	Sigmalith Systema Primer white Sigmalith Systema Primer Baza Z Rustikal WS Color Rustikal WS Sealer- WS Sealer II Sigmalith Acryl Sealer white Sigmalith Acryl Sealer Baza Z Sigmalith Systema MB Sealer
Surface coat	Sigmalith Systema Top Premium	Sigmalith Systema Top Premium

If colour layers are applied, it is recommended that prime coat be used of the same hue.

When the softwood or hardwood of the resistance classes 3 – 5 is used, Rustikal Concept Grund (-Konzentrat) should be used as prime coat.

### V. Other information

Any data and guidelines concerning the safety requirements and waste removal should be taken from the relevant European Union safety datasheets. Any differences in the use of material may result from different base absorbability values and the method of material application.

The data contained in this instruction are consistent with the latest developments in technology. No legal claims may be raised due to a variety of methods of application of material layers and the areas of use. This publication invalidates any data which refer to this product and which are contained in the previous technical instructions.

