

***Rheology Applied to Ceramics***  
***(theory and practice)***

**INDEX**

<i>Foreword</i>	.....	7
<i>Introduction</i>	.....	10
<i>Chapter 1</i>	<b><i>Rheology and the ceramic industry</i></b> .....	17
	(Romano Lapasin)	
<i>Chapter 2</i>	<b><i>Rheology of dispersed ceramic systems</i></b> .....	35
	(Davide Gardini, Carmen Galassi, Romano Lapasin)	
<i>Chapter 3</i>	<b><i>The practical applications of rheology in the ceramic industry</i></b> .....	63
	(Mariano Paganelli)	
<i>Chapter 4</i>	<b><i>Rheological instrumentation. Past and present</i></b> .....	103
	(Giorgio Mojoli)	
<i>Chapter 5</i>	<b><i>Rheological additives</i></b> .....	129
	(Davide Gardini, Carmen Galassi)	
<i>Chapter 6</i>	<b><i>Rheology of Ceramic Body Slips</i></b> .....	155
	(Stefano Minardi, Luigi Boscardin)	
<i>Chapter 7</i>	<b><i>Rheology of Glazes</i></b> .....	211
	(Paolo Prampolini)	
<i>Chapter 8</i>	<b><i>Rheological aspects of screen printing inks and pastes</i></b> .....	241
	(Andrea Guerra, Roberto Roncaglia)	
<i>Chapter 9</i>	<b><i>Colour matching systems:</i></b> <b><i>rheological problems in preparation of screen printing pastes</i></b> .....	281
	(Andrea Guerra, Roberto Roncaglia)	
<i>Chapter 10</i>	<b><i>Rheology in soluble-salt decoration of porcelain tile</i></b> .....	297
	(Luca Farina, Graziano Vignali)	
<i>Chapter 11</i>	<b><i>Viscoelastic behaviour in the ceramic industry</i></b> .....	311
	(Mariano Paganelli)	
<i>Chapter 12</i>	<b><i>Rheological aspects of powders</i></b> .....	333
	(Marcello Romagnoli)	
<i>Chapter 13</i>	<b><i>Measuring the viscosity of the vitreous phase.</i></b> <b><i>Frits, molten glazes and vitreous phases during sintering</i></b> .....	377
	(Mariano Paganelli)	
<i>Chapter 14</i>	<b><i>Beyond the triangular procedure</i></b> .....	393
	(Davide Gardini, Paolo Prampolini)	
<i>Appendix I</i>	<b><i>Technical Glossary – Definition – Parameters</i></b> .....	407
<i>Appendix II</i>	<b><i>Guide to Rheological Nomenclature</i></b> .....	413
<i>Appendix III</i>	<b><i>Tables (Units of measurement, symbols, chemical-physical data)</i></b> .....	425
<i>Appendix IV</i>	<b><i>Structure and classification of Silicates</i></b> .....	441
<i>Appendix V</i>	<b><i>Dizionario gergale (only Italian text)</i></b> .....	463
	<b><i>References</i></b> .....	467