



Rheology Applied to Ceramics

(theory and praxis)

List of the Sponsors

Presentation

Acknowledgements

Introduction

Index

Chapter 1 Rheology and the ceramic industry

Romano Lapasin

Chapter 2 Rheology of dispersed ceramic systems

Davide Gardini, Carmen Galassi, Romano Lapasin

Chapter 3 The practical applications of rheology in the ceramic industry

Mariano Paganelli

Chapter 4 Rheological instrumentation. Past and present

Giorgio Mojoli

Chapter 5 Rheological additives

Davide Gardini, Carmen Galassi

Chapter 6 Rheology of Ceramic Body Slips

Stefano Minardi, Luigi Boscardin

- Chapter 7 Rheology of Glazes*
Paolo Prampolini
- Chapter 8 Rheological aspects of screen printing inks and pastes*
Andrea Guerra, Roberto Roncaglia
- Chapter 9 Colour matching systems: rheological problems in preparation of screen printing pastes*
Andrea Guerra, Roberto Roncaglia
- Chapter 10 Rheology in soluble-salt decoration of porcelain tile*
Luca Farina, Graziano Vignali
- Chapter 11 Viscoelastic behaviour in the ceramic industry*
Mariano Paganelli
- Chapter 12 Rheological aspects of powders*
Marcello Romagnoli
- Chapter 13 Measuring the viscosity of the vitreous phase.
Frits, molten glazes and vitreous phases during sintering*
Mariano Paganelli
- Chapter 14 Beyond the triangular procedure*
Davide Gardini, Paolo Prampolini
-
- Appendix I Technical Glossary – Definition – Parameters*
- Appendix II Guide to Rheological Nomenclature*
- Appendix III Tables (Units of measurement, symbols, chemical-physical data)*
- Appendix IV Structure and classification of Silicates*
- Appendix V Dizionario gergale (only in Italian)*
- Appendix VI General references*