CONTENTS

SUMMARIES OF CONFERENCE PAPERS	Ι
OPENING OF THE CONFERENCE	1
Session 1	
FUNDAMENTAL PROPERTIES OF PORCELAIN ENAMEL	
PORCELAIN ENAMEL – FROM AN ANCIENT ART TO A MODERN INDUSTRIAL MATERIAL	3
CHEMICAL PROPERTIES OF PORCELAIN ENAMEL COATINGS	8
PHYSICAL CHARACTERISTICS OF PORCELAIN ENAMEL	14
WEATHER RESISTANCE OF PORCELAIN ENAMELED STRUCTURAL UNITS	18
RADIOCHEMICAL DECONTAMINATION CHARACTERISTICS OF PORCELAIN ENAMEL	24
PORCELAIN ENAMEL MANUFACTURING PROCESSES	36
METHODS OF TESTING ARCHITECTURAL PORCELAIN ENAMELS	45
1.1 GENERAL DISCUSSION	53
Session 2	
USES OF PORCELAIN ENAMEL IN BUILDING DESING	
THE DESING, MANUFACTURE, AND ERECTION OF ARCHITECTURAL PORCELAIN METAL PARTS	57
PORCELAIN ENAMEL CURTAIN WALLS AND THEIR UTILZATION IN THE BUILDING INDUSTRY	60
AN ARCHITECT'S VIEWPOINT OF PORCELAIN ENAMEL USED ALONE AND IN COMBINATION WITH OTHER MATERIALS	64

CERATIVE USES OF PORCELAIN ENAMEL	70
2.1 GENERAL DISCUSSION	77
Session 3	
PORCELAIN ENAMEL AS AN ENGINEERING MATERIAL	
ENGINEERING PORPERTIES OF PORCELAIN ENAMEL	83
FLUES, FURNACES, AND EXHAUST SYSTEMS USING HIGH TEMPERATURE	
PORCELAIN ENAMELS AND CERAMIC COATINGS	103
PORCELAIN ENAMELED ALUMINUM	109
3.1 GENERAL DISCUSSION	111
Session 4	
BUILDING EXPERIENCE WITH PORCELAIN ENAMEL	
BUILDING EXPERIENCE WITH PORCELAIN ENAMEL THE USE OF PORCELAIN ENAMEL FOR HOSPITALS	116
	116 120
THE USE OF PORCELAIN ENAMEL FOR HOSPITALS	
THE USE OF PORCELAIN ENAMEL FOR HOSPITALS THE USE OF PORCELAIN ENAMEL IN SALES STRUCTURES	120
THE USE OF PORCELAIN ENAMEL FOR HOSPITALS THE USE OF PORCELAIN ENAMEL IN SALES STRUCTURES THE USE OF PORCELAIN ENAMEL FOR HOUSES	120 125
THE USE OF PORCELAIN ENAMEL FOR HOSPITALS THE USE OF PORCELAIN ENAMEL IN SALES STRUCTURES THE USE OF PORCELAIN ENAMEL FOR HOUSES PORCELAIN ENAMEL STEEL IN INDUSTRAIL BUILDINGS	120 125 128