

CONTENTS

	Page
Chapter 1 Introduction	1
1.1 The Development of slag utilization	1
2 The production of slag	11
2.1 Blastfurnace slag	11
2.2 Steel slag	23
2.3 Phosphorus, copper and zinc slags	23
3 The Properties of slag	25
3.1 Blastfurnace slag	25
3.2 Steel slag	38
4 The uses of slag	40
4.1 The construction and maintenance of roads	41
4.2 Slag as concrete aggregate	67
4.3 Blastfurnace slag as railway track ballast	76
4.4 Slag as a medium for percolating filters	78
4.5 Foamed slag as a lightweight aggregate	82
4.6 Granulated slag for cement manufacture	88
4.7 Slag wool for heat insulation	91
4.8 Modified slag – Slagceram	93
References	95
Appendices	99
Index	117